CONCRETE



A-M Casts Sculptured Panels . . . Texcrete's Canon Brick Operation . . . Cut Tire Costs

EDITORIAL DEPT

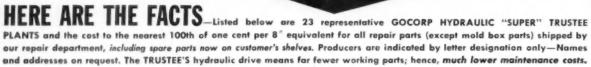
EDITORIAL MICROFILMS

EDITORIAL DEPT

EDITORIAL DEPT



AVERAGE 1 MILL (5/100ths of one cent) PER 8 EQUIVALENT FOR ALL REPAIR PARTS EXCLUSIVE OF MOLD BOXES



PLANT	PRODUCTION THRU JULY '59	(per unit) TO NEAREST 1/100 OF ONE CENT	PLANT	PRODUCTION THRU JULY '59	PARTS COST (per unit) TO NEAREST 1/100 OF ONE CENT	PLANT	PRODUCTION THRU JULY '59	(per unit) TO NEAREST 1/100 OF ONE CENT
A	4,000,000	2/100¢	1	2,500,000	3/100¢	Q	3,600,000	10/100∉
В	2,025,000	6/100¢	J	3,786,000	7/100¢	R	10,974,000	7/100¢
C	1,000,000	7/100¢	K	2,500,000	6/100∉	S	2,536,000	7/100∉
D	2,705,000	4/100¢	L	1,550,000	6/100¢	T	2,845,000	4/100¢
E	4,573,000	3/100¢	M	2,164,000	7/100¢	U	5,110,000	6/100¢
F	780,000	3/100¢	N	2,000,000	3/100∉	V	1,200,000	4/100¢
G	1,096,000	5/100¢	0	1,826,000	5/100∉	W	4,628,000	8/100¢
н	2,000,000	7/100¢	P	16,000,000	6/100¢			

The above figures were subscribed and sworn to before me this 11th day of September, 1959 by Mr. C. S. DeLamater, Sales Manager of the Gene Olsen Corporation.

Gearl Notary Public, Lenawee County Michigan

On more than 81 million units produced by 23 plants using hydraulic "Super" TRUSTEES, the average cost per unit was only 5/100ths of one cent. Many plants that have had their TRUSTEES only a few months were not included. If your repair costs are higher, shouldn't you consider a TRUSTEE for your next machine?

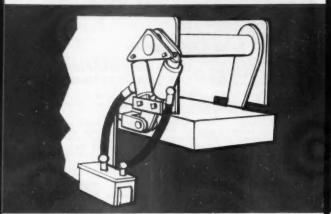


- "SPECIAL" TRUSTEE
- 2X & 21/2X TRUSTEES

ADRIAN-MICH

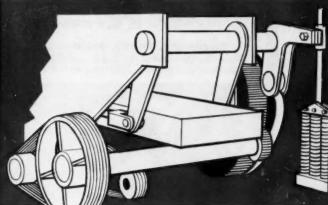
HERES WHY MAINTENANCE COSTS ARE LESS WITH HYDRAULICS!

BASICALLY, SIMPLICITY AND HEAVY CONSTRUCTION MAKE THE DIFFERENCE. FOR INSTANCE, LET'S COMPARE JUST THE SIMPLE HYDRAULIC SYSTEM USED TO OPERATE THE FEED DRAWER ON A MODERN GOCORP "TRUSTEE" WITH THE COMPLEX POWER TRAIN REQUIRED TO DO THE SAME JOB ON A CAM MACHINE.



MODERN HYDRAULIC "TRUSTEE" FEED DRAWER **Parts Required**

- 1 Hydraulic manifold (which also serves numerous other operations.)
- 2 Hydraulic hoses
- 2 Single Action, Hydraulic Cylinders, each of which includes:
 - 1 Ram
 - 2 Sets of packing
 - 2 "O" Ring Seals
- 2 Brackets
- 4 Cylinder Pins



CAM OPERATED FEED DRAWER **Parts Required**

- 1 Motor Sheave
- 4 Large "V" Belts
- 1 Counter Shaft Driven Sheave
- 1 Counter Shaft
- 2 Counter Shaft Bearings
- 1 Counter Shaft Drive Sheave
- 6 Extra Large "V" Belts
- 1 Large Cross Shaft Sheave
- 1 Large Cross Shaft
- 2 Cross Shaft Bearings
- 1 Cross Shaft Pinion Gear

- 1 Gigantic Bull Gear and Cam
- 1 Bull Gear Shaft
- 2 Bull Gear Shaft Bearings
- 1 Cam Follower
- 1 Cam Follower Roller
- 2 Cam Follower Bearings
- 1 Spring Shaft and Bracket
- 4 Yards of large diameter tension
- 1 Spring Anchor Bracket

Plus dozens of feet of lubricating tubing, dozens of lubrication fittings, nuts, bolts, keys, set screws, brackets and what have you.

AND REMEMBER, this is just one example of the maintenance savings that result from the use of hydraulics throughout GOCORP "TRUSTEES."

Be honest with yourself, now. Parts subject to wear, do wear out and have to be replaced. The parts cost enough but you also have the extra down time and the non-productive repair time of at least two men.

Sure, you have things go wrong with GOCORP "TRUSTEES," too, but you don't have to pull a

bunch of shafts; do a lot of retiming and refitting; or back breaking juggling. Cylinders can be changed in a few minutes, hoses in the blink of an eyeand you get smoother, faster action to boot.

Modern, heavy machinery in practically every field has switched to hydraulics for power transmission. (Automobiles, road building equipment, cranes, machine tools—to name a few).

Times are changing, HOW **ABOUT YOU?**

ASK TO SEE GOCORP'S MOVIE, "1,000 PROFITS AN HOUR"

"Super" TRUSTEE No faster machine on the market! ALSO: "Special" TRUSTEE—with many features of the * 2X and 2½X TRUSTEE Thrifty Models * RACKMAN Automatic Loaders and Unloaders —Synchronized or detached

Mixers, Skips, Cubers, Offbearers and other allied equipment

SEE RACKMAN IN ACTION

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Erickson Pioneered CUBING

RIGID BACKBONE OF STEEL FOR EVERY MASONRY WALL

THAT ASSURES

COMPARE THESE WEIGHTS

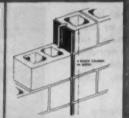
Standard Dur-O-wal 187 lbs. per 1000 ft. Standard Ladur Type 139 lbs per 1000 ft.



Insist on genuine Dur-O-waL for crack-free masonry walls with a backbone of steel

New Companion Product for Masonry Walls





Rigid Backbone of Steel For Every Masonry Wall

Dur-O-wal Div., Cedar Rapids Block Co., CEDAR RAPIDS, IA. Dur-O-wal Prod., Inc., Box 628, SYRACUSE, N. Y. Dur-O-wal Div., Frontier Mfg. Co., Box 49, PHOENIX, ARIZ. Dur-O-wal Prod., Inc., 4500 E. Lombard St., BALTIMORE, MD. Dur-O-wal of III., 119 N. River St., AURORA, ILL. Dur-O-wal Prod. of Ala., Inc., Box 5446, BIRMINGHAM, ALA. Dur-O-wal of Colorado, 29th and Court St., PUEBLO, COLORADO Dur-O-wal Inc., 165 Utah Street, TOLEDO, OHIO



FK-60 THE IDEAL TRUCK FOR THE CONCRETE INDUSTRY

Erickson Fork Trucks have a proven 30-year record for low-cost handling of concrete block cubes in the yard—stock-piling, loading and unloading delivery trucks.

Model FK-60 (above) is shown with triple lift mast, side-shifter and overhead guard • No loss of load center with an Erickson Sideshifter • Continental F162 engine combined with 4-speed transmission assures power and traction with fuel economy. Large 8:25x15 tires provide easiest rolling and surest traction (all tires interchangeable.) Available with forged steel flat forks or Jalloy No. 1 cubing forks. WRITE FOR UTERATURE!

THE WORKHORSE OF LIFT TRUCKS"



ERICKSON POWER LIFT TRUCKS, INC.

221 St. Anthony Blvd. N. E.

Minneopolis 18, Minn.



PROFITABLE ROUBLE-

fully automatic

The new Columbia fully-automatic splitter is designed for continuous output at high speed. With its extra long take-away table, will split as fast as the operator can load the magazine. Handles up to 8" in height, up to 24" in length. Immediate delivery from Mattoon, Ill., or Vancouver, Wash. Also available in semi-automatic.

For further information write, wire or phone.

iome Office: 107 Grand Bivd., Vancouver, Wash Branches: Mattoon, Illinois: Burbank, California Manufacturers and world-wide distributors of a complete line of plant equipment for production of concrete products

CONCRETE

For producers of concrete block, precast and prestressed concrete products and ready mixed concrete

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Donald T. Papineau

Publisher

Jack Anderson

Editor

G. E. Leicht

Circulation Manager

Advertising Representatives

Midwest:

Dwight Early & Sons, 100 N. LaSalle St., Chicago 2, III. CEntral 6-2184.

Eastern:

Porter Wylie & Co., 114 E. 13th St., New York 3, N.Y. GRamercy 5-3581.

Western:

Crawford L.
Elder, 2500 El
Venado Drive, La
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Clarence L. Morton, 294 Washington St., Boston 8, Mass. Llberty 2-8538.

FEATURES FOR THIS MONTH

How this low cost line is made and sold, with quality control and mechanization factors behind a 180% sales increase.

American-Marietta Casts Sculptured Panels 18

More than 2,000 panels are being made for the new Chicago exposition center, using designs by a noted sculptor.

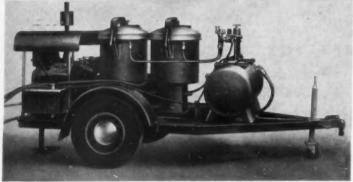
Pointers on reducing tire costs include service records, driver education, proper inflation, types of tires, and maintenance.

The Cover:

Here's the overall appearance of the Chicago Exposition Center, showing a general impression of how the panels, being cast by American Marietta, will look when in place.







MULTI-PURPOSE Masonry Spraying Machine

Amazing versatility fits the new MP machine to many functions concerned with the treatment of large masonry surfaces.

Washing, chiseling, sand-blasting, base-coating and Colorcreting are among the many operations performed by the MP under controlled air pressure.

Base coat and stucco are applied at heights or distances up to ninety feet from machine, with material — water, stucco, sand or Colorcrete — pumped by pneumatic pressure direct from mixing tanks to discharge nozzle. Base coat or stucco can be applied at the rate of 400 to 600 square feet per hour.

Outfit comprises dual mixing tanks, air compressor and blower, gasoline engine and automatic starting battery. All mounted on a steel-decked trailer to form a self-contained, mobile unit, complete with air and material hose and application gun. Additional information on request.

COLORCRETE INDUSTRIES, INC.
569 OTTAWA AVENUE • HOLLAND, MICHIGAN



WASHING



CHISELING



SAND BLASTING



BASE COATING



COLORCRETING

News

Mockbee Starts New Jackson RM Plant

Mike M. Mockbee will serve as president and general manager of the Builders Concrete Co., a newly formed company in Jackson, Miss.

George McClung is plant manager, and Ernest Adcock is secretary.

Mockbee had been with R. B. Tyler Construction Co. for seven years. McClung, since 1945, has worked for and operated ready mix plants in that area.

The plant, employing about 20, will use eight GMC trucks with Challenge mixers.

Ernil Prestress Buys 65 Acre Plant Site

A 65 acre industrial site has been purchased at Fair Oaks, N.Y., by Ernil Pre-Stressed Concrete Co. as a future site for a prestressed beam plant. No immediate construction is planned.

Plans, when the plant is built, call for employment of about 60 with the building to be a duplicate of the firm's plant at Hillsdale, N.J.

Ernil is a subsidiary of Samuel Braen Companies, of New York and New Jersey.

Southern Materials Reports Increased Earnings

Net earnings of \$1.13 million for the year ended May 31, 1959, as compared to \$1.07 million the previous year, have been reported by Southern Materials Co., Inc., Norfolk, Va.

Earnings per share for the past year amounted to \$1.37, as compared to \$1.26 the prior year.

The company will operate in 1960 with two new subsidiaries, with one being the seven ready mix plants of Jacksonville Concrete Co., acquired

on June 1. Five of the plants are in Jacksonville, Fla., one in St. Augustine and one in MacClenny, together with a block plant in Jacksonville. Southern Materials now has 23 concrete distribution plants in operation, the report notes. The other new subsidiary is Superior GMC Corp., a newly franchised GMC truck sales and service organization in Norfolk.

During the past year, another subsidiary, Southern Block & Pipe Corp., began production of wood roof trusses. Southern Block also has been constructing precast-prestressed manufacturing facilities, with production of a line of standard prestressed structural members planned soon.

Steel Company Adds Prestress Facilities

John William Steel Works, of Jackson, Tenn., has installed new equipment to manufacture prestressed and precast concrete.

Northeast Concrete Builds Plainville Prestress Plant

The newly formed Northeast Concrete Products Co. has started construction of a prestress concrete operation on a 20 acre site in Plainville, Mass.

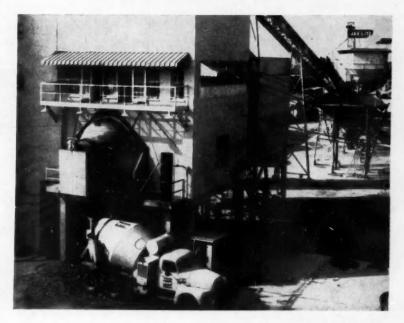
Warren Moses and William Tricky are operators. Construction was planned to begin in early August with completion three months later. Tentative plans call for employment of 50, using a 100 x 400' building.

American-Marietta Buys Concrete Materials

Concrete Materials & Construction Co., Cedar Rapids, Iowa, has been purchased by American-Marietta Co. CM&CC plus its associated firm, Concrete Materials Co., will be operated as an independent A-M division.

CM&CC supplies crushed stone, sand and gravel.

Jackson RM Installs New Tilt Mixer



A new 6 cu. yd. tilter mixer, recently installed at the Jackson (Miss.) Ready-Mix Concrete plant, has increased capacity at the main plant to 180 cu. yds. per hour.

Another addition at the plant is 6-3/4 cu. yd. weighing batchers, which automatically weigh material and charge the new mixer. Jackson's loading cycle is now less than two minutes.

News

Marietta Baltimore Block Plant Sold to Ross

J. D. Ross has announced that the Baltimore, Md., block manufacturing facilities of Marietta Concrete Div. of American-Marietta have been sold to the Baltimore Concrete Block Corp.

President of Baltimore Concrete Block is C. Boyd Ross with J. D. Ross as manager. Together, these men have managed the operation of the plant since it was built in 1946. C. Boyd Ross has nearly 40 years with Marietta Concrete.

The announcement said that the Marietta Concrete Div. will continue to operate the precast concrete plant at White Marsh, Md., and will ship bins and silos from this site.

The purchase by Baltimore Concrete Block took effect August 31.

Concrete Block Plant Opens in Galena

A concrete block plant has begun production in Galena, Mo., operated by Guy T. Cosand and Kenneth Rhodes. The company is known as the C & R Block & Specialty Co.

New Ready Mix Plant Opens at Shenandoah, Ia.

A new ready mix concrete plant, Stanley Ready Mix Concrete Co., began operations in early August at Shenandoah, Iowa. The plant is owned by Jack Stanley and managed by Ralph Gray.

A. R. Waters Retires from Carter-Waters Presidency

A. R. Waters, co-founder and for many years president, has retired as president of Carter-Waters and was elected executive board chairman. Carter-Waters is in Kansas City, Mo.

Waters will be succeeded as president by Walter E. Beanway, who has been executive vice president and general manager since 1952. Beanway has been with C-W since 1931.

Other officers of the company were re-elected, with Richard L. Coleman re-elected vice president; Robin E. Walker, as vice president; Paul J. Kirner, treasurer; and John E. Bethel, secretary.

Rocklite Expands, Buys La Puente Plant

Rocklite Products, Inc., has announced purchase of a new concrete block plant in La Puente, Calif. E. A. Peterson, general manager of Rocklite, said that with addition of the new facility Rocklite's expanded line will now include a complete line of standard weight concrete masonry units for residential and commercial use.

Rocklite, of Ventura, Calif., will continue to market their line of expanded shale units. The Stanton branch yard in Orange county has been discontinued and incorporated into the new La Puente plant.

WRI Meet Postponed

The fall meeting of the WRI, announced in last month's issue for Oct. 1-2 in Montreal, has been postponed, according to an announcement by Don Gehring, the Wire Reinforcement Inst. secretary.

Don Muir Named GM at Acme-Phoenix Materials

Donald E. Muir has been named general manager of Acme-Phoenix Materials Co., Inc., of Phoenix, Ariz. He previously was associated with Phoenix Cement Co., a division of American Cement.

Acme-Phoenix produces ready mix concrete, rock and sand, and asphalt paving.

New Iowa RM Plant

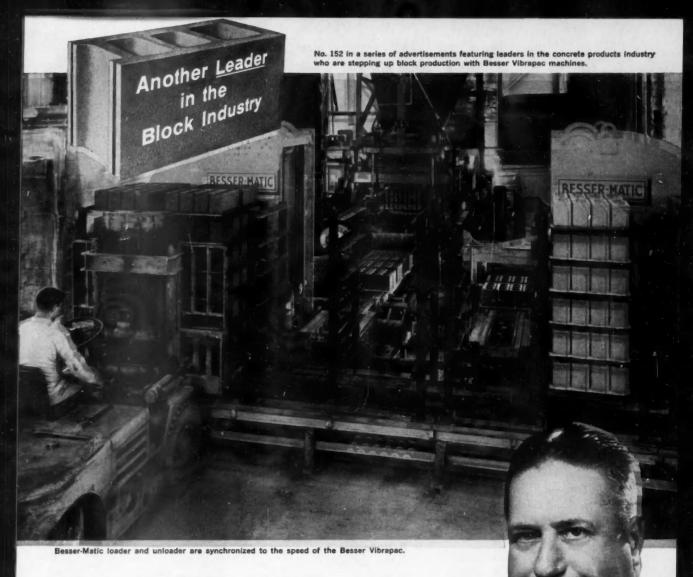
The new KeWash Ready Mix Concrete Co. plant has recently begun operation at Farmington, Iowa, with Kenneth Stotts as manager.

"City in City" Uses Folded Plate Concrete



Folded plate concrete construction will be used for the "city within a city" which will be constructed on a three block area along Wilshire Boulevard in Los Angeles, Calif. Construction will start next year.

The \$30 million project, designed by Charles Luckman, will have a 22 floor office building, 16 story-340 room hotel, 22 floor apartment building, and 12 story cooperative apartment.



Besser-Matic Automation cuts block-handling costs for Pennsylvanian

Are you as competitive as you could be today? You're not, if you still handle block manually. That's too expensive!

Successful blockmakers like Mr. Fred Gorr have done something about it. He's president of Gorr Block & Supply, Greenock, Pa.

In 1958, Mr. Gorr installed a Besser-Matic cycled to keep pace with the production rate of his Besser Vibrapac. Now there's no off-bearing required and no power hoist; the Besser-Matic does all these operations *automatically*: Loads green block. Indexes new rack. Unloads cured block. Depallets cured block. Returns empty pallets. There are no culls due to careless handling.

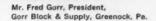
Mr. Gorr has used nothing but Besser equipment since starting in business in 1947. In speaking of the Besser-Matic, he says, "It has increased our daily production (annual output, 1,200,000 block 8" or equivalent) and eliminated hard work. It has helped us to realize important savings on off-bearing."

Have you taken a good look at your loading and unloading costs lately? A Besser Vibrapac — Besser-Matic combination would be an extremely profitable investment for you! Talk it over with your Besser representative.



BESSER COMPANY

Dept. 127 • Alpena, Michigan, U.S.A.
FIRST IN CONCRETE BLOCK MACHINES



Lift truck moving cube of Vibrapac Block to delivery truck. Note the platform hoist for unloading cube at job-site.



News



NCMA Appoints Toennies to Ass't. Dir. Engineering

The appointment of Henry T. Toennies to assistant director of engineering for NCMA has been announced by Walter Underwood, executive director.

Toennies will assume contacts with federal agencies and supervisory activities of NCMA's new research laboratory in Washington.

The new post was created as a result of NCMA's move to Washington. It was announced that R. E. Copeland, director of engineering, will divide his attention between that city and Chicago, where minimum office space is being retained until completion of a technical design manual.

Since early August, NCMA has been located at 1015 Wisconsin Avenue, N.W., Washington 7, D. C.

NY Block Association Builds Fallout Shelter

A fallout shelter, built of concrete block, was a feature of the New York State Fair, Syracuse, held from Sept. 4-12.

The shelter, built under direction and sponsorship of the New York State Concrete Masonry Assoc., used block donated by Al Cossit, president of the association. A union mason was furnished by Bob Gibbs of PCA, with Ron Hardy of Onondaga Brick Corp. offering Haydite for the block, and Robert Yenney supplying Dur-O-waL.

According to plans, Gov. Nelson Rockefeller was to visit the shelter on Sept. 10. The governor has been urging use of a fallout shelter in every home.

A fallout shelter plan suggested by the Federal government was followed in the shelter construction, and built at the request of the New York State Civil Defense Commission.

NCPA Annual Meeting Planned for Winnipeg, Jan. 18

The National Concrete Products Association's annual convention will be held January 18-20 at the Royal Alexandra Hotel, Winnipeg, Manitoba, Canada.

It'll be the first time in the 11 year history of the association that a convention will be held outside Ontario and Quebec. Members of the group include manufacturers of brick and block, precast and prestressed concrete and concrete pipe.

D. B. Hough Buys C. S. Hunter Co.

The C. S. Hunter Co., handlers of building materials and ready mix concrete in Washington, Pa., has been sold to D. B. Hough, a Washington resident.

The firm was founded in 1911 by C. S. Hunter Sr., and has been operated by his son and a partner-ship since 1915. In announcing the sale, C. S. Hunter Jr. announced his retirement.

Earl Holwadel Dies

Earl P. Holwadel, 55, vice president of the Ohio Gravel Co., died August 25 at Bethesda Hospital in Cincinnati.

He was a director of the National Limestone Institute, and president of two Cincinnati companies, in addition to his duties with Ohio Gravel.

ECSA To Meet Jan. 28 At Roanoke, Va.

The annual meeting of Expanded Clay & Shale Assoc., will be January 28-29, 1960, at the Hotel Roanoke, Roanoke, Va., according to Ted Berger, executive secretary.

B. K. Powers and Weblite Co. will be Hosts at the meeting.

Continuous 60 Hour Pour Made by Supreme

A continuous 60 hour concrete pour, for a Navy base job at Claylick, Pa., was recently made by Supreme Ready Mix Co., of Hagerstown, Md.

The job, pouring over 700 cu. yds., ran straight through the 60 hours with the company having to cancel all other pouring jobs since all trucks were operated 24 hours a day during the job.

A navy captain sent Supreme a wire congratulating them for their performance, after completion of the pour.



Anchor's Reinhold Gives Award To Champ Bricklayer

Fred W. Reinhold, left, president of Anchor Concrete Products Co., recently presented Don Zimmer with a \$100 savings bond. Zimmer brought prestige and recognition to himself, his union and the Buffalo, N.Y. hometown of both Zimmer and Reinhold by winning the national bricklayer championship.

Reinhold is one of the two honorary card carrying members of Local #45 of the Buffalo bricklayers union.

BERGEN TRI-MATICS

have Every requirement for high-volume, low-cost block production!

HIGH PRODUCTION CAPACITY

Can exceed 6 cycles per minute, preducing up to 1100 perfect 8" equivalents per hour-day after day, year after year.

AUTOMATIC OPERATION

Push-button controls provide auto-matic Height & Density Control — Pallet Feeding — effortless Off-

LOW MAINTENANCE COST

Every Bergen component is precision built to keep weer and repair costs

RUGGED CONSTRUCTION

Engineered to eliminate complicated mechanisms; built sturdily throughout to maintain continuous, highproduction operation without strain.

HIGH QUALITY BLOCKS

Every block is smooth, clean, accurate in size and uniform in density. This consistent quality builds and holds satisfied customers — cuts down losses due to cults and rejects.

CONVENIENT PURCHASE PLANS

- 1. Cash Payment
- 2. Time P yments
- 3. "Lease-with-option-to-buy" contract (Non-royal v. fixed monthly payment)

WRITE for detailed literature on Bergen Tri-Matics Or, have a Bergen engineer discuss your needs.

LE SUEUR MOISTURE METER Assures automatic batch mixture moisture control. Saves mixing time, costs and labor. Get details

Get all these Advanced Engineering Features with BERGEN TRI-MATICS

Automatic Front Pallet Feeder. Uses exclusive Harmonic Drive to provide smooth, automatic block handling at high machine speed.

Zeromatic Height and Density Control. Automatically assures quality blocks of uniform texture, height, and density without loss of speed.

High-speed Off-Bearing Hoist. Provides easy, effortless block handling, at high speed. Minimizes operator fatigue. Torque Arm Reducer Drive. Supplies smooth, strain-free power drive; reduces wear and maintenance; eliminates heavy bulky drive.

Positive-acting Cam and Roller Operation

Modern Power Control Panels

Magnetic Motor Brakes

-and many more

Note: These imprevements can also be applied to your present equipment. Get details.



NUTLEY, NEW JERSEY

Telephone Nutley (N.J.) 2-7300 + "BERGENCO" (Nutley, N.J.)

Bergen manufactures a complete line of Block Plant Equipment—Batch Mixers, Skip Hoists, Off-bearing Hoists, Height and Density Control Panels, Mold Repair Tables, and a full line of mold attachments and replacement parts

News

Two New VP's at Blakeslee

George A. Verrill Jr. has been made vice president in charge of construction and an adviser at the new prestress plant of C. W. Blakeslee & Sons, New Haven, Conn.

Miles G. Blakeslee Jr. has been made a vice president of a construction operation.

Andrew Palmer Dies

Andrew Palmer, 63, operator of Palmer Concrete Products Inc., Quakertown, Pa., died in early July.

F & Z Builds New Block Plant

A concrete block manufacturing plant, expected to be in operation this fall, is being built by F & Z Ready Mix Concrete Co., of East Prairie, Mo.

The building, built of concrete block, will be 40x80', with daily output of 1000 block. The plant will also make splash block, culvert tile and foundation block.

1958 PC Production Up 4%, to 311 Million Bbls.

Production of portland cement was 4% greater in 1958 than the previous year, increasing to 311 million bbls., according to the Mineral Industry Survey of the U. S. Dept. of Interior, Bureau of Mines.

According to the survey, production of prepared masonry cement was slightly less in '58, at 14.4 million barrels, compared to 1957 production of 14.7 million. Production of natural and slag cement decreased from 631,000 bbls. in 1957 to last year's 520,000 bbls.

Shipments of portland cement increased to 307 million barrels, valued at \$998 million with an average value of \$3.25 per barrel. Prepared masonry cement shipments were nearly the same as in the previous year, at \$55 million or \$3.77 per barrel. Natural and slag cement shipments decreased to 500,000 bbls., valued at \$1.6 million or \$3.32 per bbl.

The estimated annual capacity of all portland cement plants on Dec. 31, 1958 was reportedly 6% greater than on the same date the previous year. In figures, for 1958 production capacity was estimated at 397 million barrels, 5 million greater than in 1957

PCA Appoints Carter As Salt Lake City Engineer



Alan Carter

PCA has announced the appointment of Alan C. Carter as Salt Lake City district engineer. He succeeds Ralph E. Spears, who has been named regional structural engineer for the PCA west central region. Both appointments were in effect on August 15.

Schmidt Named Supt. at Neff Concrete

Crosby A. Schmidt has been named by Pres. W. A. Neff as new plant superintendent at Neff Concrete Products Co., Danville, Ill.

Schmidt, 40, previously was vice president and general manager of Prestcrete Corp., of Plano, Ill. He replaces John Reich who is now working with Caterpillar Corp. in Peoria.

BRI Conference To Study Modular Design, Construction

The progress of modular coordination will be the chief topic of study at the annual fall conference of BRI, to be held Nov. 17-19 at the Shoreham Hotel, Washington, D. C.

Milton Coon, Jr., executive director of BRI, says "Progress in the use of modular coordination is increasing daily, but the actual extent to which it has taken hold throughout the U. S. is still anybody's guess. It is our hope . . . we can give the building industry a true evaluation of the status of this concept today . . ."

Under discussion will be the actual production and distribution of modular units, nationally and regionally; a study of survey of modular courses in architecture schools, and a survey of acceptance and use of modular units by architects.

New Posts, Promotions at Southern Materials

James P. Sadler and Richard C. Goodman have been appointed to the new positions of senior vice president at Southern Materials Co., Inc., of Norfolk, Va. Both had been vice presidents.

Elected vice presidents were Raymond F. Wingo of Richmond, general operations manager for the western division, and Edwin M. Gourley of Norfolk, general manager of operations for the eastern division.

Drexel C. Page, formerly assistant secretary and assistant treasurer, was also elected a vice president. George W. Bonney was elected assistant secretary.

Edward D. Hofheimer was named to succeed the late W. Lee Flaugher as secretary-treasurer. Hofheimer, a director, was formerly a vice president of Southern Materials.

New Russell, Iowa Ready Mix Plant

A new ready mix concrete plant began operation in mid-July at Russell, Iowa, with Floyd Dixon, Max and Dean Arnold as operators and owners.



"The newer types of concrete masonry get big demand! In the last year, we've sold over 3 million units!"

Says GEORGE PARISIAN, partner, Standard Block & Supply Co., Lansing, Michigan

"We've been in the block business 19 years and it has never been better. A big share of the credit goes to the new forms of concrete masonry. We carry over 125 different styles and shapes—and we're still expanding. It's paying off, too, because mark-up on the new units is higher."

The success stories keep coming in. One block manufacturer after another reports increased volume and higher profit margins on the newer forms of concrete masonry.

All over America, the house-buying public-along with

architects, builders, and financing agencies - shows a growing acceptance of this modern home building material.

The new shapes, styles and colors of concrete masonry, together with new patterns of laying, fit everybody's idea of modern living. Ideal for both exteriors and interiors, the new forms suit any style home, any neighborhood.

Investigate thoroughly the profit opportunities in the housing market being opened by modern concrete

masonry . . . newtype living concrete.

PORTLAND CEMENT ASSOCIATION

A national organization to improve and extend the uses of concrete



News

RM Plant Begins in Cove, Utah

Organization of the Cove (Utah) Ready-Mix Concrete Co. has been finished, and first deliveries made by the company in late August. The firm also operates a sand and gravel operation.

President of the Cove firm is Lynn S. Porter. Other officers include Kenneth S. Porter, vice president; Glenn Baldwin, secretary; Clyde L. Porter and Wayne S. Porter, directors.

A. Frantz of Sidney Ready Mix Dies

Arthur Frantz, of the Sidney (Ohio) Ready Mix Concrete Co. died on Thursday, August 13, with the funeral held on August 17.

Greensburg Has Second New RM Operation

Early August was the scheduled starting time for a new ready mix plant in Greensburg, Kansas. Owners of Greensburg Ready Mix Concrete are Keith Brown and Clay Hildinger.

This plant will use two Chevrolet trucks, with Trans-Crete mixer units, with plant capacity of 500 cu. yds daily.

In almost the same week, Home Lumber & Supply Co. opened another ready mix plant. Virgil Prophet is manager of the Home plant.

Rockwin Prestress Offers New Consulting Service

Rockwin Prestressed Concrete Corp. has announced the formation of an engineering consulting group for specialized consulting in the prestressed concrete field.

The firm, of Santa Fe Springs, Calif., will be available to architects and engineers only. Services will include design, checking, investigations, field reports and construction supervision.

Steven Galezewski heads Rockwin Engineers.

New Post, Tex., Plant

Post (Tex.) Ready Mix Concrete Co. has begun operations recently, with George Booher and Charles Woodfin as operators.

Area Concrete Reorganizes Under New Management

Area Concrete Inc., of Columbus, Ohio, is continuing operations under a reorganized management, according to the firm's attorney, Stephen Mack.

The company had recently filed a proceeding in a US District Court for a financial rearrangement, subject to creditors' approval and under court supervision.

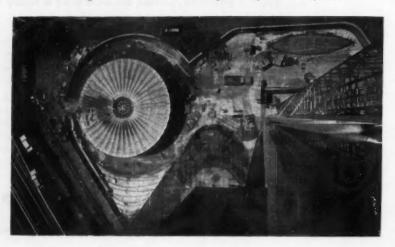
Bank Uses Precast Folded Concrete Plate



This unusual building, a branch bank, uses a unique roof of precast concrete folded plate, and was designed in the shape of a coin.

The roof units, precast at the Petaluma, Calif., yard of Ben C. Gerwick, Inc., span almost 30'. They expand in width from 15" to 70" and average close to 3" in thickness. The precast roof of the 70' diameter building will be covered by sheet copper, and supported by slender steel columns. Walls will be 40 sheets of plate glass.

The branch, for American Trust Co., will be at the base of the new Crown Zellerbach building being constructed in San Francisco. It was designed by Skidmore, Owings and Merrill, and is being built by Haas & Hynie, Inc.



EDICON

Calcium lignosulfonate based water reducing cement dispersing agent . . . is now available two ways:

POWDER — 50 pound multi-walled kraft bags.

LIQUID - 55 gallon drums, bulk.

Whichever form you prefer, Edick has it!

If you are presently using any of the common water reducing agents, it will pay to investigate EDICON as an efficient, convenient and economical replacement. Use EDICON in all of your concrete for extra strength, increased workability and greater slump with less water. Best of all, this quality material carries the lowest prices on the market!

EDICON POWDER

0- 1999 lbs. 19c lb. — delivered 2000-19999 lbs. 17c lb. — delivered 20,000 lbs. 15.5c lb. — delivered Use 2 to 4 ounces per bag of cement.

LIQUID EDICON

(1) 55 gallon drum . . . 1.15 per gallon — delivered
(6) 55 gallon drums . . 1.10 per gallon — delivered
(20) 55 gallon drums . . 1.05 per gallon — delivered
Use 3 to 8 ounces per bag of cement.

A new descriptive catalog on EDICON is now available. Write us for one and ask for a generous sample at the same time.

Edick
2358 South Burrell Street
Laboratories, Inc. Milwaukee 7, Wisconsin

News

Fifth Plant Built by We-Mix Firm

We-Mix Concrete Co., headquartered in Greenville, Texas, has recently built their fifth plant, at Pottsboro, Tex.

Kingsport, Tenn. To Have New RM Plant

Plans for building a new ready mix plant in Kingsport, Tenn., have been announed by the secretary of the local chamber of commerce.

The plant, called Transit-Mix Products Co., Inc., will reportedly employ 6-10 employees initially, with four trucks. President-general manager of Transit-Mix is Walter E. Dysart, who recently retired after 33 years with a New York drug manufacturing firm.

J. A. Nicholson Named Pres. of Toledo Firm

J. A. Nicholson, head of Nicholson Concrete Co., has been named president of Toledo Plaster & Supply Co. His promotion follows Harry N. Hansen's move from presidency to chairman of the board.

Toledo Plaster announced that it would be merged with Penn Sand Co., a wholly owned subsidiary of Nicholson Concrete. Nicholson operates five ready mix plants in the Toledo area.

Boggs Concrete Sold

Morrison Formyduval Jr. has purchased controlling interest in Boggs Concrete Works, Inc., of Melfa, Va. He now is the firm's president and general manager; previously he had been a Bogg's vice president.

Cold Weather Concreting Discussed in ACI Pamphlet

An 8 page pamphlet, entitled "Year Round Concreting" is available, free, to concrete users, with the booklet summarizing the new ACI standard recommendations for cold weather concreting.

It includes sections on accelerators, preparation before concreting, winter concreting objectives, and production required. A two page chart illustrates data on the effect of 2% calcium chloride at temperatures ranging from 73 to 25F, on types 1 and 3 cement.

The book is available from the Calcium Chloride Institute, 909 Ring Building, Washington 6, D. C.

Book Tells Where, How to Place Reinforcing

A new 281 page book, published by the Concrete Reinforcing Steel Inst., contains complete information on how and where to place reinforcing bars in concrete construction. The book, pocket size, reportedly has information not available in textbooks.

The manual has information designed not only for apprentice and journeyman bar setters but also for engineers, architects, contractors and field inspectors. It was prepared under the direction of the Engineering Practice Committee of CRSI.

The main section includes information on unloading and storing reinforcing bars, handling of bars, placing plans and specifications, bar supports and spacers, and placing of bar supports.

Placing of bars in footings, columns, walls, etc., plus sections on field welding, tie wire, tolerances in placement and welded wire fabric are also included in the book.

Copies, at \$3, are available from CRSI, 38 S. Dearborn St., Chicago,

Baltimore Concrete Plank Promotes Roemer to VP-SM

William W. Roemer, has recently been promoted to vice president and sales manager in charge of the Philadelphia office of the Baltimore (Md.) Concrete Plank Corp.

Roemer has been with the company since 1953. In early 1958 he was promoted to sales manager in charge of the Philadelphia territory.

Baltimore Concrete Plank makes Dox Plank, a reinforced precast plank system for floors and roofs.

Calendar . . .

OCTOBER 22-24 1959

New York State Concrete Masonry Assoc. — Annual Meeting — Sheraton East Hotel, New York City.

NOVEMBER 1-7, 1959 Prestressed Concrete Institute — 5th Annual Convention — Deauville Hotel, Miami Beach, Fla.

NOVEMBER 3-5, 1959 American Concrete Institute — 12th Regional Meeting — Mexico City, Mex.

NOVEMBER 15-17 1959 Region II, Southeastern Concrete Masonry Assoc. — Annual Meeting — Riviera Motor Hotel, Atlanta, Ga.

DECEMBER 6-7, 1959 South Carolina Concrete Masonry Association — Annual Convention — Columbia Hotel, Columbia, S. C.

JANUARY 13-14, 1960 Wisconsin Concrete Products Assoc. — 40th annual convention — Plankinton Hotel, Milwaukee, Wis.

FEBRUARY 15-18, 1960 National Sand & Gravel Assoc. and National Ready Mixed Concrete Assoc. — Combined Biennial Show — The Coliseum and Conrad Hitton Hotel — Chicago, III.

FEBRUARY 22-24, 1960 National Concrete Masonry Association — 40th Annual Meeting — Hotel Statler, Los Angeles, Calif.

MARCH 23-24, 1960 Iowa Ready Mixed Concrete Assoc. — Annual Convention — Hotel Kirkwood, Des Moines, Iowa.

Dorsey Bulkmaster Transports deliver more payload...faster

Whatever your dry bulk cargo may be, these new Dorsey Bulkmasters are designed to cut delivery time and costs. So efficient they make light work of stubborn cargoes, and ruggedly engineered with quality features that insure long, trouble-free operation. Check the specifications of each model . . . decide which best suits your needs . . . and see your Dorsey Distributor today!

MODEL BMC-T For high speed and efficiency, the BMC-T features new two-stage drives that permit discharge of the rear portion of the load before the front screws are engaged. Screws are reversible to dislodge lumps and to assist air pads in eliminating bridging. The unit operates from the tractor P.T.O. through a tandem hydraulic pump and discharges five barrels per minute. Three 20" fill hatches with water-tight covers and single point downspout with rubberized nylon discharge boot are standard. A wide range of capacities and lengths as well as other "custom" features are available without price penalty.

MODEL FB-T This versatile performer pit dumps or can be equipped with 14-foot folding or rigid full-swiveling 18"-wide endless-belt conveyor. Tandem hydraulic pump, powered by a 25-hp air-cooled gasoline engine, operates rubber belt conveyor, which is riveted to a 36" heavy-duty steel conveyor chain, and elevators. The FB-T discharges in excess of a ton a minute. All-steel, electrically-welded body is equipped with heavy-duty tarpaulin and bows. A wide choice of options is available.

BOTTOM DUMP TRAILERS Your Dorsey Distributor now offers a complete line of open and closed top hopper trailers and trains for transporting cement, aggregate or any dry bulk material. The model illustrated has high-clearance doors giving a very heavy discharge pattern and also features a sturdy projecting rear bumper for pushing. Steep slope sides prevent load packing and there is no bracing inside hopper.

For more information on the newest in self-unloading transports see your Dorsey Distributor today, or MAIL THE COUPON



DORSEY TRAILERS / ELBA, ALABAMA



Dorsey Trailers / Elba, Alabama	C
RUSH literature on	
Model BMC-TModel FB-T .	Hopper Trailers
Name	
Company	
Address	

As in Los Angeles today . . .

Where there's progress...there's POZZOLITH concrete

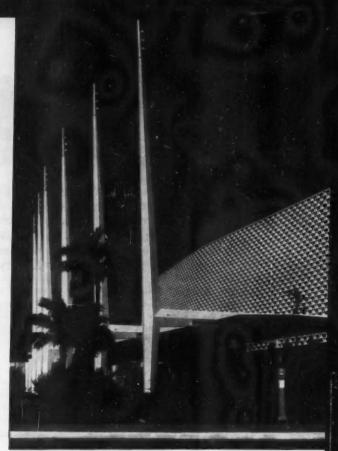
The men who designed and built these outstanding modern structures specified and used Pozzolith to assure concrete of superior architectural and structural quality at lowest possible cost.

Over the years—in citles throughout the world—where careful attention is given to concrete performance and economics, the use of Pozzolith is increasing steadily. Over 180 million cubic yards of Pozzolith concrete have been placed to date . . . a significant proof-of-performance record.

For your job... with your materials—Pozzolith concrete is best. Neither plain concrete nor concrete with any other admixture can match the results you'll get with today's Pozzolith.

On current or future concrete projects, the local Master Builders field man will welcome discussing your requirements. Call him in. He's at your service—backed by the Master Builders research and engineering staff—unexcelled in the field of concrete technology. Write us for full information.

The Master Builders Company, Cleveland 3, Ohio Division of American-Marietta Company The Master Builders Company, Ltd., Toronto 15, Ontario International Department, New York 17, New York Branch Offices in all principal cities.



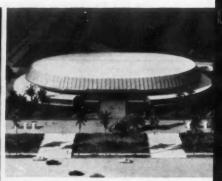
SANTA MONICA CIVIC AUDITORIUM • Architect and Engineer: Welton Becket & Associates • Structural Engineer: Murray Erick Associates • Contractor: C. L. Peck; Millie-Severson, Inc. • Pozzolfth Ready-Mixed Concrete for lightweight concrete panels: Consolidated Rock Products Co. • Concrete Testing and Control: Raymond G. Osborne Laboratories, Inc.



LOS ANGELES COUNTY COURT HOUSE • Architect: J. E. Stanton: Paul R. Williams; Adrian Wilson; Austin, Field & Fry • Engineer: Brandow & Johnston • Contractor: Gust K. Newberg Construction Co. • Pozzolltyn Ready-Mixed Concrete: Consolidated Rock Products Co., Inc. • Concrete Testing and Control: Smith-Emery Company.



LOS ANGELES COUNTY ART INSTITUTE • Architect: Austin, Field & Fry • Engineer: Wheeler & Gray • Contractor: Tom E. Norcross • Pozzolfth Ready-Mixed Concrete: Livingston Rock & Gravel Co., Inc. • Concrete Testing and Control: Raymond G. Osborne Laboratories, Inc.



LOS ANGELES MEMORIAL SPORTS ARENA • Architect and Engineer: Welton Becket & Associates • Structural Engineer: Brandow & Johnston • Contractor: L. E. Dixon Co. • Pozzolith Ready-Mixed Concrete: Consolidated Rock Products Co. • Concrete Testing and Control: Raymond G. Osborne Laboratories, Inc.

MASTER BUILDERS. POZZOLITH

Editorial

Fallout Shelters

Fallout (or bomb) shelters have been given quite a bit of space recently, in both newspapers and magazines. This interests us particularly because most of the work done has involved the use of concrete in some form.

Most publicity has been given to a Denver contractor who's building a fallout shelter as an integral part of all homes in his subdivision. According to our report, he does this with no increase in the selling price. Built of reinforced concrete, each shelter costs him \$290.

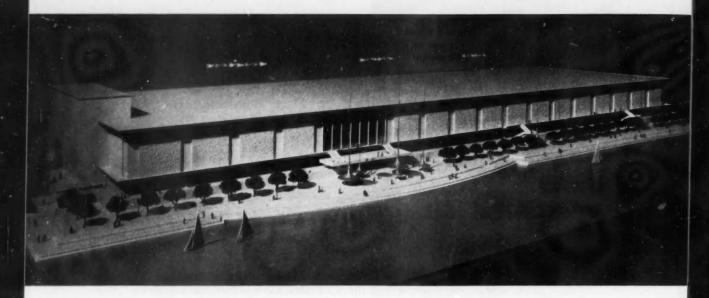
In another case, the New York State Concrete Masonry Association built a fallout shelter, using block, at the New York State Fair. Gov. Rockefeller, who's been urging shelter construction, visited the exhibit and expressed complete approval.

Furthermore, Carl Mitnick, NAHB president, recently visited Russia and was impressed with the number of shelters being built there, as opposed to the scattered few being put up in this country.

All of this should deeply interest concrete products and ready mix producers, for several good reasons. The primary one is that concrete is recommended in the great majority of shelter construction plans, even taking the most prominent place in a government publication. Block, poured or reinforced concrete, and even precast concrete are used in the various plans.

This gives any concrete plant operator both an opportunity and an obligation. We personally aren't convinced that an outdoor, backyard shelter (costing as much as \$2,000) will ever be common. But, selling enough block or ready mix for a \$200 basement shelter, either in new or existing houses, is a totally different thing.

Whether or not shelter construction becomes a common thing in this country, you certainly should know about it. Our recommendation is that you get a copy of a publication of the Office of Civil and Defense Mobilization, number MP-15, titled "The Family Fallout Shelter." This book gives a full review of both construction and equipment needed for a shelter. It also devotes several pages to plans for both contractor and do-it-yourselfer on building basement shelters of concrete. Various other concrete shelters are also described.



A-M's Giant Job:

Casting 2,000 Sculptured Panels For Chicago Exposition Center

Chicago's \$34 million Exposition Center, due to be completed next year, utilizes an advanced technique in sculptured concrete wall panels designed to revive monumental art, practiced by the ancient Babylonians and Egyptians, for modern building construction.

The use of modern scientific construction methods is in dramatic contrast to the art forms of the ancients, however. Thousands of Egyptians labored for generations to build a temple, but only 12 men working at American-Marietta Company's new Concrete Products Division plant in Franklin Park, Ill., will, in the next few weeks, cast all of the wall panels needed to enclose the Exposition Center which is three blocks long and one block wide.

The design and engineering of the massive sculptured wall panels ranks as the largest project of its kind in the world in three ways:

A total of 2,010 wall panel sections, averaging 17 by $4\frac{1}{2}'$ and weighing $2\frac{1}{2}$ tons, will cover 185,000 square feet of the building's surface.

Of this total, 152,000 square feet are sculptured and geometric design panels in bas-relief—the largest sculptured area in the world. According to a University of Chicago archeologist, the Temple of Karnak, built by the ancient Egyptians, is believed to have had at one time 120,000 square feet of sculptured area.

This project incorporates the greatest use of exposed aggregate for panel construction in the world. White quartz was selected to achieve a specified textured effect and Trinity White cement was used in the mix with the aggregate.

Concept and Design

The Exposition Center makes the most extensive use of structural wall panels in the world. The wall panels will comprise both the exterior and interior surfaces of the building. Welded to the building's steel framework, the panels become an integral part of the building's structure.

Another unusual aspect of the Exposition Center project is that it represents a collaboration between the architect, Alfred Shaw, and the sculptor, Costantino Nivola.

A requirement was that the vast exhibit area be shut off from natural outside light so that all lighting effects could be controlled from within the building. This meant that the exterior surface had to be opaque and the architect was confronted with the problem of relieving the severe exterior lines.

Familiar with the work of Nivola who had become internationally famous for bas-relief concrete panels cast from his sand sculptures, Shaw went to Nivola with this problem 18 months ago.

Abstract and Geometric

Nivola prepared a series of sketches of abstract heroic figures and a harmonizing fret design of ornamental geometric patterns. In the overall design developed by the architect, every fourth panel is sculptured and is set back. Thus a rhythm of recessed 15 foot sculptured panels between 45 feet of fret design gives a pleasant relief from a plain surface.

"The technique of using textured concrete in a scientifically controlled mix at the American-Marietta plant is the most successful medium to achieve the effect required for these sculptured panels," Architect Shaw related. "To attempt duplication of the effect with any other construction material would be prohibitively expensive."

Trained during boyhood to be a mason and stucco decorator, Sardinia-born Costantino Nivola began his art career by winning a scholarship to the Art Institute in Monza, Italy. He originated his sand-cast method of sculpture about 10 years ago.

At 48 his most famous works include a 30 x 110-foot facade for the Mutual Insurance Company of Hartford, Conn., a 15 x 70-foot mural for the Olivetti Company's offices in New York, and the Four Chaplains Fountain at Falls Church, Va., dedicated to the four World War II Army chaplains who gave their life jackets to the enlisted men and went down with their torpedoed troopship *Dorchester* in 1943.

Nivola has a studio in New York City, but does much of his modeling in the sand near his Long Island home. For the Exposition Center project's five sculptures, Nivola brought small model molds to American-Marietta's plant in Franklin Park last May. Barefoot and working with a trowel in damp sand, Nivola developed the full size models in sections from which concrete molds were cast. The wall panel sections are now being cast from these molds.

Eleven of these sections make up one relief panel 50 feet high by 17 feet wide. Each of the five sculptured designs is repeated seven times.

American-Marietta's Role

Satisfied that Nivola could meet the challenge of a project of this size, the Exposition Center officials, Shaw and the general contractor had the task of selecting a company which had the resources to mass-produce the concrete wall panels according to rigid quality specifications.

A major producer of concrete products used in heavy construction, American-Marietta was selected on the strength of its plant facilities and experienced personnel.

Continued on next page



Mold of abstract pattern for one panel.



Workers apply first coating of white concrete and aggregate to wall panel section; white quartz aggregate was used with Trinity White cement.

Sculptured Panels By American-Marietta

Continued from previous page

A special laboratory was established in its Concrete Products Division plant in Franklin Park to control the quality of the concrete mixes. Samples are taken daily and analyzed to control the water and cement ratio. According to the specifications of the project, the cast concrete wall panels must attain a strength of 5,000 pounds per square inch in 28 days. At present, the panels are meeting this strength test in only seven days, indicative of the quality control standards at the American-Marietta plant.

Wall Panel Construction

Construction of the wall panels at American-Marietta's Franklin Park plant involved the application of several layers of concrete, reinforcing steel and insulation material in casting each section which is approximately six inches thick.

About one inch of white concrete with quartz aggregate is applied as the first coat in the mold. The facing concrete is then backed with lightweight concrete with a 1-1/2" layer of styrofoam insulation sandwiched in between. The backing concrete is given a steel trowel finish to serve as the interior wall. Welded wire fabric and reinforcing rods are placed in the various layers according to the structural design of the wall panels.

Three Months

Total time required for casting and preparing the panels will be approximately three months. Delivery of the panels by flatbed truck to the construction site will begin in October and it is anticipated that the work of welding the panels to the framework of the structure will be completed by January 1. To seal the concrete pores from outside moisture, each panel will be given two coats of a clear silicone water proofing agent at the Franklin Park plant.



Wall panels are studied by sculptor Nivola (in foreground), A-M man Philip Balcomb (left) and the architect, Alfred Shaw.

Application of second layer of concrete over white concrete and aggregate is made. American-Marietta held an open house to show panel construction, design on August 20.



Steel reinforcing members are here put in place in the form.





How You Can Cut Truck Tire Costs

Practical pointers on maintenance, records, tire dealer aids, types of tires, and driver education

By

Ralph Kuhlman

Kuhlman Builders Supply & Brick Co.

Toledo, Ohio

Tire expense ranks among the first three or four major expenses in maintaining a ready-mix truck fleet on the road, and every effort should be made to keep this expense as low as possible. The condition of the tires on a truck also reflects the safety under which the unit is operating.

Our company has adopted a program of proper tire maintenance and good driving habits to cut the expenses and improve the safety of our ready-mix fleet.

Complete Record System

Under our tire maintenance program, a complete tire record system is kept. Each new tire has a master record card made out for it. The master record card contains the serial number, size, make, ply, type, purchase date, and brand number of the tire.

The brand put on a tire contains the initials of the company, identification number, and month and year purchased. The brand initial and number are burned into the tire on the wall just below the scuff seam, being careful not to burn too deep so as to injure the cords of the tire. This

Presented at the Public Relations & Safety Course for Drivers, sponsored by the Ohio Ready Mixed Concrete Assoc., held in Columbus, Ohio, Jenuary 19-21, 1959. brand is burned into both sides of the tire for easy identification no matter which way the tire is mounted. The tire is then put into stock for future use or into service on a truck.

When the tire is put into service, the truck number, truck speedometer reading and wheel position (such as right front) is recorded on the master card. The tire is run in this position until it is in need of repair. When the tire is removed, it is recorded on a tire change tag, and service call record card.

On the tire change tag such data is recorded as the date of tire change, vehicle number, vehicle mileage, wheel position, brand and serial number of tire taken off, and tire put on, cause of removal, work done and by whom. A service card record is kept giving similar information together with type of repair and when the repair was made. The information on the tire change tag and service call card is recorded on the master record card.

This gives us a complete and exact record of the serviceability of the tire and causes of tire failures. This procedure is followed over and over again until the tire is junked.

Record Cards

The record cards that we use are furnished us free of charge by local tire companies. Most all major tire companies put out similar type record cards made available through their local tire distributors.

Under the actual maintenance of tires, our program calls for airing the tire once a week, and at this time it is inspected for cuts, bulges, breaks, wearing, and checked to see that all valves have caps and cores are tight. Our tire gauges are checked periodically against a master gauge. The tires are also checked each day by the drivers for flats, rocks in between wheels, etc.

Inflation Important

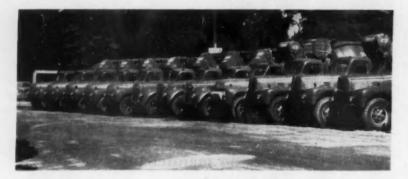
Maintaining the correct load and inflation is important because with 20% overload or 80% inflation you get only 70% of the mileage out of a tire; with 100% overload or 45% inflation you get only 25% of the mileage. Overload also causes fast tread wear by increasing the load on each square inch of contact area. It also causes irregular wear and cupping due to excessive action of the tread.

Overload increases flexing, resulting in excessive internal heat and blowouts before the tread is worn off. Overinflation causes tread cutting, tread separation, impact breaks, too much tension on the tread and cord body resulting in tire growth, tread cracks, and premature center wear.

Tire Service Calls

We have adopted air tools for changing tires, and we have a service truck with a compressor mounted on it that we use to make a few tire service calls. Most of our tire service calls are made by tire companies. In considering whether you are going to do your own tire service and repair or have someone else do it for you,

Continued on next page



Cut Tire Costs

Continued from previous page

you should probably consider who can do the work faster, cheaper, and maintain quality.

Do you have room in your shop to do the work and can you train and pay skilled labor as efficiently as an outside shop? Can you justify your expenditures for tools, equipment, and parts inventory? Is there a tire company near you which can handle your work and is it reliable? Whoever does your work, it is of the utmost importance that a tire service call is completed without delay. Involved are the customer's good will and the cost of the concrete.

Flat Tires

If a truck has a flat tire on the road, we follow this procedure: The driver calls the garage on his radio and gives the tire position, brand number, mileage of the vehicle and his location. If the truck is loaded it is not moved because of the heat caused on the tires.

But if the truck is empty and close to a yard, the driver is permitted to go into the yard for the tire change. This does away with the hazard of changing a tire in the road or in heavy traffic.

Tire Selection

Selecting the right tires for your truck fleet is also important. Match the tire to the exact operating conditions. Select the right size, right tread, right ply rating, and right wear quality. Consider the kind and weight of load, operating speed, length of haul, and type of road or

surface. We buy mostly non-directional, nylon, rock logger type tread tires.

We use non-directional tires in order to cut down on the number of spare tires. In most cases we use the same type tires on the front as on the rear wheels. In the past we used highway tires on the front wheels but after experimenting with rear type tires on the front wheels we found that the trucks didn't slide as much around corners, thus enabling the truck to turn shorter.

We cut down on the number of spare tires we carried and the trucks handled better in the mud, because they did not slide as much depending on which axle takes hold first. They also hold up better under heavy front end loads (treads don't peal off).

Nylon Has Advantages

We have used all nylon tires for the last four years. Before we used nylon tires we didn't wear out tires, we junked them because of cuts and breaks. We have found the advantages of nylon cord tires are greater strength, greater resistance to impact failures, greater heat resistance, and resistance to water deterioration caused by cuts and snags. The stretch or growth in rayon cord tires is practically nil and they are cheaper.

Wire cord tires have the advantage of greater resistance to objects that cause cuts and they wear longer and can be recapped more, but they also cost 35 to 40 dollars more per tire. We don't use any wire cord tires but I think when the costs come down and unless something better comes along,

we will all be using wire cord tires within the next ten years. Since using nylon tires, we have increased our tire mileage 100%.

Mechanical Problems

Mechanical irregularities should be corrected as soon as possible. Tire wear is directly related to wheel and axle conditions. Uneven, spotty, and excessive tread wear are positive indications that wheel and axles should be checked. Out-of-round brake drums usually wear tires in one place, while improperly adjusted brakes may produce several worn spots.

When an axle is out of line, it causes tires to roll sideways, scuffing their treads and causing fast wear. Flat spots develop across the tire tread when wheel bearings are worn or loose. Even slight bearing irregularities may develop these flat spots in a relatively short time. Wheel misalignment, such as excessive toe-in, causes the tire to wear rapidly and develop feathered edges on the inner edge of each part of the tread design. When toe-out is excessive the feathered edge will appear on the outside. Tires differing more than 1/4" in diameter should not be installed on the same dual assembly.

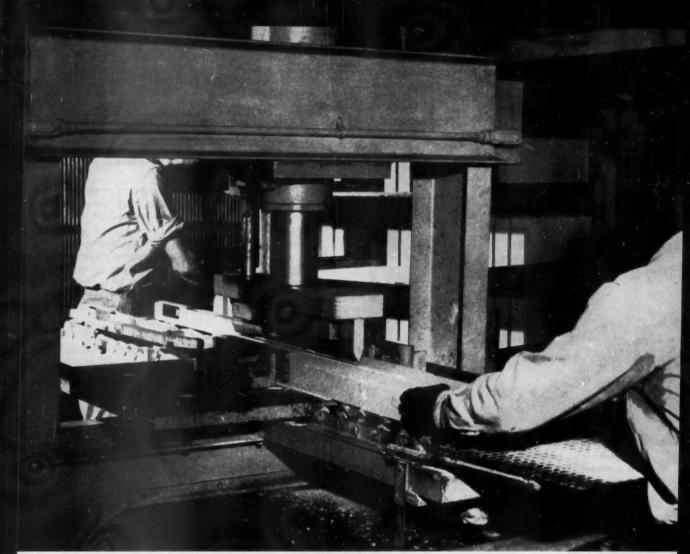
Mismatched tires cause unequal weight distribution, subjecting the larger tire to overloading and causing premature failure. We never run tires with unbalancing sections in them on the front wheels. They are marked with an O sideways and only used as rear tires.

Annual Tire Check

We go over all our tires once a year usually with the aid of local tire company men. We determine which tires are to be recapped, and which tires are and are not giving us good serviceable wear and the reasons for this.

This is usually done early in the year when tires can be taken out of service and not disrupt the operation of the fleet. This does not mean that if a tire needs recapping some other time during the year that it is not done, or if a tire is not performing well it is not corrected.

Continued on page 39



Splitting of Holiday Hill stone.

Automation, Autoclaving, and 550 Colors

These are reasons why Texcrete's low price line can see a 180% sales increase, sell on quality without robbing sales from the higher price line.

The development, promotion and sale of Canon Concrete Brick has been one of the brightest success stories in the Southwest building materials industry.

Canon Brick (pronounced Canyon) is a colored concrete masonry unit produced by the Texcrete companies in Dallas, Corpus Christi and Houston, Texas, and Shreveport and Alexandria, Louisiana. All are subsidiaries of Texas Industries, Inc., Dallas.

Texas Industries also operates concrete products plants in Forth Worth, New Orleans, Minneapolis, Des Moines, Kansas City, Kansas, and Oklahoma City. Products other than Canon Brick include Texcrete Masonry units, Haydite lightweight aggregate, concrete pipe, Holiday Hill Stone, sand and gravel, crushed stone, Sakrete dry concrete, reinforced and prestressed structural concrete elements, MoSai architectural concrete panels, and Trusdeck steel roof deck and metal culverts.

The modern-day, autoclaved version of Canon Brick was introduced early in 1957. Although several previous attempts at making a concrete brick using older curing methods had left something to be desired in performance, sales and acceptance, the new product met with imme-

Continued on following page



Hardymatic control panel in the overhead mixing room; panel controls two larry cars by automatic operation.

Texcrete's Canon Brick

diate success. Sales are still zooming, with very prospect of going higher next year with increases in production capacity.

At Texcrete in Dallas, for example, during the first eight months of 1959, Canon Brick sales increased 181%, compared with the like period in 1958.

This has been accomplished in the face of competition from seven or eight producers of clay brick who deliver into the territory, and three other concrete brick manufacturers in Dallas.

Surprisingly, the market's appetite for Canon Brick has in no way hurt the sale of the company's older and higher-priced Holiday Hill Stone. The stone, which the company has been producing about five years — autoclave-cured since 1956 — showed a sales increase of 50% in the first eight months of 1959, compared with the similar period last year.

Luxury Item

Holiday Hill Stone is the company's luxury item. Experience has proved that many homeowners want such a luxury product, and the average home developer buys it with the idea that it will enable him to sell homes



Here's one of three Besser Vibrapacs used.

faster. Its principal appeal is color, rough hewn texture from splitting, and length. The 16-inch length is especially pleasing to the eye and is by far the biggest seller.

Used Idle Machines

Initially, Texas Industries began the production of Canon Brick to utilize idle machine time. Since brick was acceptable to the residential market, this appeared to be the most logical new market to enter while the company continued actively to promote greater use of concrete block for back-up and single wall construction in home building.

Four primary factors explain the subsequent phenomenal success of Canon Brick, company spokesmen point out.

Southwest Construction Boom

First is the big boom in construction in the Southwest, particularly residential. If all the new homes built in Dallas County, for example, within the last ten years were placed on the same street — with houses on both sides — the street would stretch approximately the distance from Dallas to Atlanta, Ga. In a market such as this, a quality product has a real opportunity.



Second is price. The company's policy is to sell at the lowest possible price and yet furnish the construction industry with a unit of the highest quality, in every way comparable to other masonry veneer materials costing much more.

Third — and by far the most important — is quality, backed up by intensive testing and the company's reputation. The company found long ago that market and price assure success only if the product sold can outrun competition in performance and appearance.

This goes back to a specific objective which is a part of the basic philosophy of Texas Industries, Inc., formulated in the early days of the company by its president, Ralph B. Rogers:

"We want increased sales volume at a fair price to both the customer and the company. We want to be the lowcost producer of high-quality products. No one must be able to produce at lower cost, and no one must be able to surpass our quality."

Sales Promotion

The fourth success factor has been the manner in which the sales department has approached the promotion of the product. The sales department initially went after project builders who construct 200 or more houses a year. These builders incorporate Canon Brick as a part of their selling and let the customer select the color desired for his home. Performance of the product is guaranteed. The company believes this has been one of the most notable sales jobs recently done anywhere in the industry, and that results will be cumulative because of customer satisfaction.

Behind all this success is an interesting story of the laboratory work that went into the development of Canon Brick.

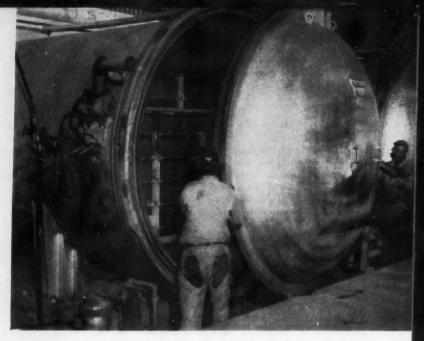
Set Rigid Requirements

The company set as its initial goal a brick that would meet the requirements of existing specifications for competitive materials, the highest requirements of ASTM specifications for clay face brick and sand-lime brick, and all requirements for concrete brick with regard to compressive and flexural strength, as well as to meet more rigorous requirements for dimensional uniformity and tolerances than do other types of brick.

It was essential to meet stricter requirements for color uniformity, and to provide colors in a greater range than available in competitive materials.

In the company's Dallas laboratory, the research and development department evolved a color library of some 550 concrete colors ranging from the whitest white obtainable in a concrete brick to almost every imaginable shade of greens, reds, browns, yellows, oranges, and even blues, violets and black.

Using an air hoist, workman moves block from autoclave rack to a conveyor belt at start of the cubing line. The door of one of the four autoclaves being readied for closing.



Canon Brick

Continued from previous page

Larry car is approaching the #1 mixer; near scale is for cement, far one is for aggregate.



In most cases colors were provided that could not be obtained in other types of materials. In some cases colors were duplicated that were available in other types, but with better quality with regard to physical properties.

In addition to these colors, Canon Brick offers a texture resulting from the gradation of limestone aggregate used. This aggregate is produced in Texas Industries' plant at Bridgeport, Texas.

Autoclave Key To Stability

Since the introduction of Canon Brick about a year and a half ago, not a single customer complaint of drying shrinkage cracking has been received. The ability to produce such a stable unit is primarily due to autoclaving, according to the company's director of research and development.

"From a practical standpoint, the maximum drying shrinkage from the least favorable condition — that is, material directly out of the autoclave — to equilibrium with prevailing relative humidity in this area during the driest month of the year (57% relative humidity in August), would be in the order of two or three parts in 100,000 . . . two or three hundredths of an inch in 80 feet," he said.

"Actually the temperature variations and the dimensional changes they produce, small as they are, would in themselves be larger than the movement due to drying shrinkage."

The company found pigments that would withstand high temperature for many hours in an atmosphere of saturated steam. Some of the pigments actually resulted in an increase of strength in the finished product. All resulted in final colors that were very stable.

The laboratory has had units subjected to weatherometer tests and, equally effective, to several months of exposure to the Texas sun in a west wall. Later comparisons between exposed and unexposed units resulted in no visible color differences.

Canon Brick today is produced in ten standard colors—Catalina green, Parisian rose, Bermudan pink, Sea Island white, sandalwood, Brazilian cinnamon, driftwood, hot chocolate, French grey, and adobe. Adobe, the newest, is the color of an imported brick now in considerable favor in the Southwest. Holiday Hill Stone is produced by Texcrete in the identical range of colors. Any other hue from the laboratory's library of 550 colors is available at a premium price.

A basic goal in the development of Canon Brick was to produce a unit of such denseness that the surface would be water-tight, requiring no waterproofing, and which would maintain a wall in a dry condition even during very wet periods.

The secret of obtaining this performance in Canon Brick is in proper batching and machine operation to produce denseness as well as interesting texture.

Bottle Test Sells Brick

This feature of water tightness has enabled the sales force to get customers in the field to experiment with a favorite and simple demonstration, the "bottle test." A one or two ounce bottle, or perhaps a soft drink bottle, is filled with water, then placed underneath the brick. When this is inverted, water under gravity enters the unit, and the relative water tightness can be judged according to the length of time it takes the water to disappear from the bottle.

With a two ounce bottle, it is expected that there will be some water remaining in the bottle after 24 hours exposure. In the case of Canon Brick, the water enters the units for about ½ inch and is prevented from going farther. The pores become filled with water and block off passage to the interior, and further loss of water is due to wick action and evaporation, from the circle of water around the opening, In tests of some units water has remained in a two ounce bottle after five days.

Typical Production Operation

Production procedure on Canon Brick is fairly typical with that in other autoclave block plants. Raw materials are contained in overhead bins on an overhead mixer floor. An operator, using Hardy push-button automatic batching controls, selects the proper mix predetermined



How Canon Brick looks in use.

by the laboratory. The batcher automatically selects the correct weight of all materials and discharges them into the mixer. After a predetermined mixing period water is added for further mixing before going into the hoppers of the company's three Besser Vibrapacs, equipped with automatic density and height controls.

Canon Brick is machined at the rate of five to seven batches an hour. After machining they are put on racks and removed to a holding room for a minimum of five hours, after which they are loaded into the autoclaves.

Continued on page 43

An overall view of Texcrete in Dallas.



Maule Opens Precast-Prestress Plant

It took only 90 days to build this division, planned to diversify the product line. Annual sales volume estimate: \$4 Million

One morning this summer, a huge crane swung a 38foot beam into position at the construction site of the new Ft. Lauderdale, Fla., Baptist Church.

The event marked a milestone of progress in the 44year history of Maule Industries, Inc., Florida's largest concrete products manufacturer.

It also heralded tangible evidence of Maule's "New Look" program in action, a company-wide streamlining widely publicized in recent months.

For the beam was of Maule prestressed concrete, and its application was the on-the-job debut of Maule's new Precast-Prestressed Division — expected in the next few months to become one of Florida's largest.

Already the new division is flooded with orders, and present estimates are that its annual sales volume will be \$4 million.

It took only 90 days for Maule's new division to start producing prestressed concrete. But its history actually extends beyond last April, when Maule's management decided the time was opportune to extend prestressed service to its customers.

The go-ahead wasn't an arbitrary, spur-of-the-moment thing. Careful planning over many months meant that once the final decision was reached, implementation of

A historic moment for Maule, when first beams come off form at new division. Fork lifts and cranes were later replaced by the Travelift unit shown at right.



the prestressed division could be handled with dispatch and efficiency.

As far back as 1956, Maule had brought leading prestressed engineers from Europe, where the process is well advanced, to explore the chances of the Florida company's entry into the prestressed field.

After two years of extensive studies, Maule appointed an outstanding engineer, named Jaime Iragorri, to head its new division. Before joining Maule, Iragorri was responsible for engineering the construction of the first prestressed, precast concrete bridge in the history of his native Colombia, as well as the country's third largest hydroelectric plant.

Maule's Precast-Prestress Division has facilities as modern and as efficient as any in the world, according to Iragorri, who is chairman of the Latin American Division of the Prestressed Concrete Institute.

Maule's new division represents an investment of about \$500,000. It utilizes several acres of space to accommodate 15 straight production lines to mass produce prestressed products. The facilities include 315-foot forms, each capable of turning out 600 linear feet daily of 18" and 24" piling.

Also purchased were two huge \$22,000 Travelifts capable of hoisting hydraulically 25 tons. The Travelifts straddle 42 feet to lift beams and pilings from their forms and deposit them on flat bed trucks for transportation to job sites.

Maule's Precast-Prestressed Division already is forming pilings and beams for a new bridge on the MacArthur Causeway spanning Biscayne Bay between Miami Beach, and slabs and sidewalks for Miami Beach's new Alton Road bridge.

This new precast-prestressed section is making 12" double T's up to 46'; single T's up to 120'; 6 and 8" Dox plank for spans up to 20' or 26'; I joist for spans to about 60'; rectangular beams for commercial and warehouse buildings; 10 to 24" pilings for buildings and bridges; wall panels; and T pilings and slabs for sea walls.

Here's one of the \$22,000 Travelifts; can lift 25 tons. Units were adapted from shipyard use.

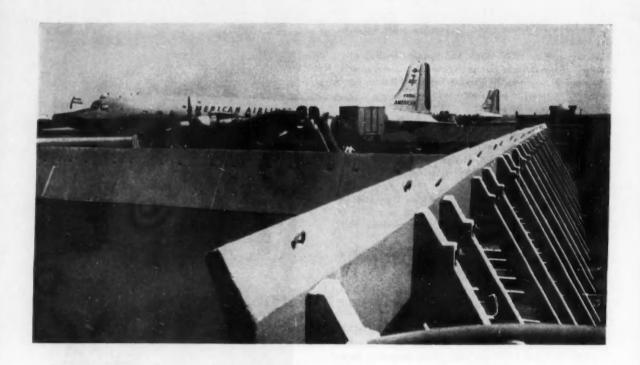




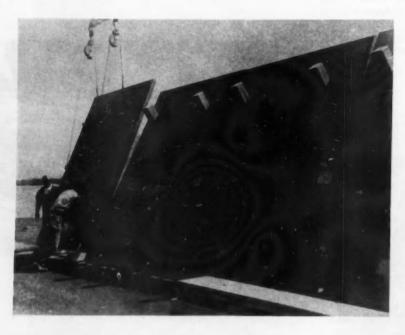
Workmen pour and vibrate concrete in double T forms.



Cables are tensioned by means of pneumatic process at plant.



Concrete Slabs Deflect Jet Blast



Slabs were poured in stacks, like pancakes, saving an enormous amount of space in the casting operation.

Like an elongated tepee, a new "jet blast deflection fence" made of ten-foot-high concrete slabs sits on the edge of San Francisco International Airport — monument not only to the jet age, but to new techniques in concrete construction.

First of its kind, the 536-foot fence serves to protect a nearby parking lot and auto driveway from the blasts of flame, smoke, and rushing air given out by TWA's giant Boeing 707 jet transports, as those planes operate near the airline's own hangars. The fence is made of up sixty-seven 3-inch concrete slabs, each 8-feet long and 10-feet high, and supported by concrete "A-frames."

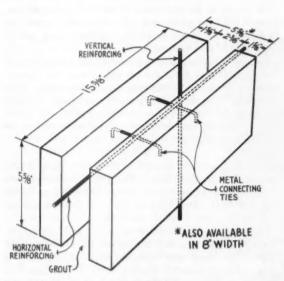
As the Boeing 707's run up their jet engines, with their tails only yards from the deflection fence, the concrete-slab surface, sloping like the side of a tepee, takes the jet blast and deflects it sharply upward. Tests of the design show that the jet blast is thus dispersed into the air above

Continued on page 33

Shel-Brik: A New Design For Reinforced Masonry Walls



This machinery, for making the product, is said to fit any block machine.



Size, shape and structure of the Shel-Brik reinforced grouted masonry unit. Note placement of the connecting ties, and horizontal and vertical reinforcing steel.

A new concept in reinforced grouted masonry units has been introduced in the Southern California market by the North Hollywood Concrete Tile Company.

This new masonry unit, bearing the name of "Shel-Brik" is currently being used in several new structures throughout the area. For design purposes, this new unit is not considered as a concrete block, but is analyzed under building code sections for reinforced grouted masonry.

The overall nominal dimensions of these units are 6 x 6 x 16" and 8 x 6 x 16". The product considerably exceeds the strength requirements of ASTM designation C-55-55 for concrete brick as outlined in the Uniform Building Codes.

Shel-Brik has introduced an entirely new method of basic construction in the building field. Heretofore, no reinforced grouted masonry structure has been less than 9" in thickness. Because of the metal connecting ties, which are molded into the unit when it is manufactured, engineering for 6" and 8" walls are possible with this unit.

Engineers of the North Hollywood Concrete Tile Co. have developed and patented a mechanical device which automatically inserts the metal ties in these units at the same time they are being produced in the block machine.

Although the weight factor precludes shipping beyond the adjacent areas of the Southern California market, the manufacturers are offering block plants the right to purchase the necessary mechanical equipment to adapt any plant to the production of these units.

Versatile Product

The versatility of Shel-Brik offers advantages over other types of reinforced grouted masonry construction, North Hollywood believes. Some features are: flexibility of design, allowing running, stacked or soldier bond construction; one size and shape serves as the basic building unit.

Reinforcing steel may be placed and inspected prior to laying up any of the units; the effective "d" distance may be considered one-half the wall thickness; electrical conduit may be placed in any direction within the wall; no inspection holes are required.

North Hollywood Concrete Tile also notes that no painting is necessary since the wall is inherently waterproof, and the unit needs no special approval since it conforms to building codes.

Essentially, the only two points to be considered in the design of the product are the design for minimum steel, which is .002 x the area of the wall, and a check of the "h" over "t" ratio. For more complicated structures, the

Continued on next page

Shel-Brik: A New Design

Continued from previous page



An illustration of how the product can be used in a wall, in this case on a Burbank, Calif. church.

normal analysis for reinforced grouted masonry should be made.

For a 6" bearing wall, the height is limited to 12'6" between points of support and a non-bearing wall may extend to 15'.

The 8" unit will permit a height of 16'8" and 20' respectively. It should be noted, though, that points of support are not necessarily the same as the height of the wall.

Thus, a 4" floor or floor ledger, or any point of anchorage such as a joist anchor or concrete slab, serves as a point of support; in fact, the building may be several stories in total height.

Continuous Grouting

Shel-Brik, because of its extremely wide grout joint, permits horizontal and vertical electrical runs, plumbing installation, facilitates steel placement, and in general, enables the masonry contractor to insure continuous and solid grouting.

The uniform Building Codes qualify Shel-Brik units as concrete bricks conforming to ASTM Designation C-55-55.

The method of construction and the allowable design stresses are as permitted for reinforced grouted masonry as outlined in the various codes. This permits a method of masonry technique similar to that commonly used in clay brick walls while utilizing design stresses 25% higher than normally considered when using reinforced hollow unit masonry.

Existing codes on reinforced grouted masonry refer to grout lifts not to exceed 4" or one unit, whichever is greater. This, of course, relates to brick units not having the tension tie supports of Shel-Brik. Common practice to date has been to grout in 4 foot lifts and secure the structural and economical advantages of such practice.

In regard to fire resistance, all 8" Shel-Brik walls are granted a 4 hour rating under all codes, and it would appear reasonable that a minimum of 2 hour rating will be granted to 6" construction.

Among those structures recently completed which utilize Shel-Brik as the basic structural unit are: Lesser Building, Fullerton, California, which represents more than 100,000 sq. ft. of floor area. The structural walls are 15' high and extend 333' in length and 300' wide. Sheldon L. Pollack and Associates, Los Angeles, served as architects, engineers and general contractors for this project.

Shel-Brik was also selected as the basic structural unit for the new South El Monte Post Office. To complement the overall decor, split-faced Meteor-Lite units, in matching Coral-Tan color, were incorporated as a feature design on the front wall of the building.

Architect Joe B. Jordan of Burbank, California, has incorporated this new unit throughout the multiple buildings of the MacArthur Memorial Bible Church which is now under construction adjacent to the Toluca Lake District along Riverside Drive in the above mentioned city.

An outstanding example of the use of 6" wide "Shel-Brik" is the new 2 story office building for Sheldon L. Pollack and Associates located at the corner of Pico and Hayworth Street in Los Angeles, California.

Concrete Slabs

Continued from page 30

the fence, with no smoke or disturbed air getting through to the parking lot and auto roads beyond.

The Les Kelly Company of Belmont, Cal., general contractor that erected the slab structure, reports that there were "no precedents" for the radical, stockade-like design of the fence. The deflector panels, a patent of the Parker Stressed Concrete Company, were actually poured on top of one another.

By conventional slab-making methods, the sixty-seven segments of the deflection fence would have been poured individually on the ground, their total area thus adding up to 5,360 square feet — plus space for surrounding wooden forms, and additional space for access. That same conventional way also would have demanded costly plywood surfaces for the floors of the forms.

Poured In Stacks

In pouring the slabs atop one another, in groups of ten, the contractor stacked them — "like pancakes." As each slab was poured, its upper surface was used as the "floor" to form another slab on top of it. Wood sides for each succeeding slab were placed in position as time for the pouring came around.

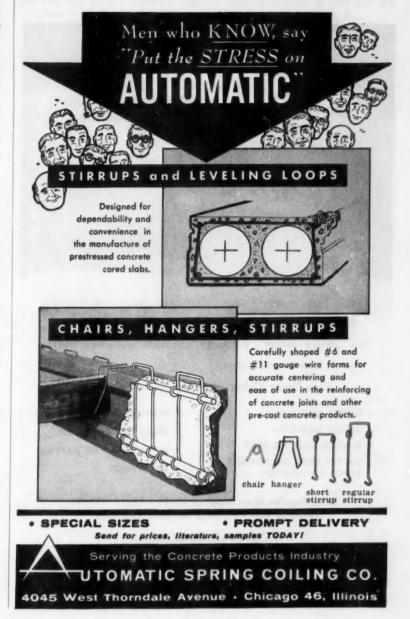
The new slab-upon-slab pouring technique was made possible by spraying Horn parting compound on top of fresh-poured slabs just before laying down the next succeeding slab. The parting compound, made by the A. C. Horn Companies, serves to prevent adhesion of one slab to another. The compound not only successfully inhibited the bond between slabs but served as a curing compound to insure the proper hydration of the concrete.

After aging and hardening, the concrete slabs were lifted apart from each other, the contractor reporting that each showed completely smooth surfaces where the concrete had been formed by the slab below. Square apertures at the tops of the slabs for the upper ends of "A-frame" members, and built-in lifting lugs, served to facilitate handling by crane and fork truck.

Meanwhile, the "A-frames" were formed in a comparable manner: one atop another, with the same parting compound serving to maintain separation. Two coats of the material, sprayed with an agricultural sprayer, sufficed to form the separation film between forms.

Slabs and "A-frames" were fabricated at the yards of the contractor, and moved by truck to the airport. In effect, it was suggested, this "prefab" feature of the design was a de-

parture from near-similar concrete walls or dikes, which normally are custom-tailored on the site by pouring into wood forms. Airport operations, it was pointed out, precluded monopolizing a substantial portion of runway or taxi strip space with forms, trucks, cement mixers, and workmen. Actual erection of the 536-foot fence took two days and two hours. It is estimated that a comparable structure poured on the site would have taken three weeks to build.



Texas Industries Builds New Wet Cement Plant

A new wet process cement plant at Midlothian to serve the North Texas area has been announced by Texas Industries, Inc., Dallas.

President Ralph B. Rogers said the construction contract has been awarded to Turnbull, Inc., engineers and construction managers of Dallas and Cleveland. Construction was to begin in September. The plant is expected to be in operation by the end of 1960. Rogers said the new plant will have a capacity of 1,400,000 barrels a year (4,000 a day). Reserves of limestone and shale at the plant site are deemed sufficient to supply the plant for at least 300 years.

The cement plant, the company's first, will be built on a 1,300-acre site two miles from Midlothian on U. S. Highway 67. It will be served by a spur from the Santa Fe Railroad. The location is approximately 25 miles from Dallas and 30 miles from Fort Worth. The plant will employ approximately 100 workers. The

annual payroll will be in excess of \$400,000. Virgil Sewell, Dallas, will be coordinator of production for Texas Industries.

Cost was not disclosed, but it is generally understood in the industry that a plant of this capacity would be valued in the neighborhood of \$14 million. Financing for the plant has been arranged privately with the Mutual Life Insurance Company of New York, and the First National Bank in Dallas. Rogers said the plant would be financed without the sale of any stock.

Alpha Appoints Sendker as New England Mgr.

Francis T. Sendker has been named New England district sales manager by Alpha Portland Cement Co. He succeeds Melville B. Chard, who has retired from the Boston district office.

Medusa Appoints New VP, Sales Manager

Ralph H. Campbell has been named as vice president-commercial, and Robert A. Marshall as general sales manager for Medusa Portland Cement Co., Cleveland.

Campbell was formerly vice president-sales, and Marshall was assistant general sales manager.

Weyland of Bergen Dies

William F. Weyland, senior sales representative for Bergen Machine & Tool Co., Inc., Nutley, N. J., died on August 22.

Butler Named New CCI Field Engineer

Bertell C. Butler has joined the Calcium Chloride Institute as field engineer, working in the Ohio-Kentucky area with additional coverage in western Pennsylvania and West Virginia.

25¢ Genl. Port. Div.

Directors of General Portland Cement Co., Chicago, have declared a quarterly dividend of 25¢ on common, payable Sept. 30.



The CSE Pace-setter Aluminum Basement Window is a complete packaged window unit ready to install.

The Pace-setter package contains puttyless glazed sash, storm and screen.

Plus These Other Big Features

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Three Popular Glass Sizes — 15x12 - 15x16 - 15x20 (Vertical and Horizontal Mullions Available)

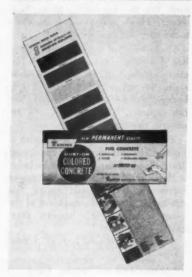
For Further Information, Write to

COLE-SEWELL ENGINEERING CO.

2288 UNIVERSITY AVENUE

ST. PAUL 14, MINNESOTA

EQUIPMENT and **MATERIALS**



Dust-On Concrete Color Card

A new color card showing a recently expanded line of 8 modern Dust-On Colored Concrete Colors is now available. The card illustrates many consumer uses for the Dust-On Colored Concrete, with application instructions. It has a pre-punched hole at top to make a hanging wall chart.

Tamms Industries, 228 N. LaSalle St., Chicago 1.

Enter E-38 on Inquiry Card

Concrete and Mortar Check List by MB

A comprehensive check list of factors to be considered when specifying concrete and mortar is included in the Master Builders publication, "Considerations for Concrete and Mortar."

The book covers job requirements and conditions, concrete floors, concrete in plastic and hardened form, curing, surface after-treatments, and masonry mentar, grouting mortar and miscellaneous use mortars.

Bulletin X-6, Master Builders Co., Cleveland 3, Ohio.

Enter E39 on Inquiry Card

Stripper Head Slide Shafts

Bergen has recently introduced "Bergenized" stripper head slide shafts, after extensive field tests. Bergen reports that the Bergenizing process adds both hardness and toughness to their new shafts.

In one field test, the company says.

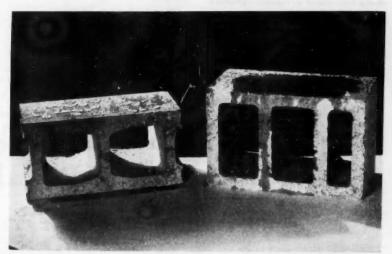
the original test shafts showed little sign of wear after over two years service in producing over 7 million blocks.

The shafts come in three sizes: 2x3x83", 2x3x98-3/4", and 2x3x101-3/4".

Bergen Machine & Tool Co., 189 Franklin Ave., Nutley, N. J.

Enter E40 on Inquiry Card

Improved Plasticizer



A new plasticizer, for use in molding block and shapes, is an additive which is used in conjunction with aggregate at the time of mixing. It's called N. D. K. Plasticizer #4.

For one thing, the #4 plasticizer is said to make block virtually waterproof, so they shed water from rain or melting snow. Also, the plasticizer is said to act as a binder, so sagging and distortion of shapes is avoided, and tolerances can be held better.

Use of the additive also reportedly prevents hairline cracks and crumbling corners; it serves as a wetting agent, and has a lubricating quality adding to life of molds, cores and mixer linings, the maker says.

Cost of the additive is reported to be a tenth of a cent per block; it's sold in concentrated form in 55 gal. drums; diluted with water and then added to the aggregate in the mixer.

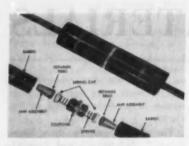
The manufacturer will send a sample, enough for about 1700 block, to any block or shape maker who requests it on his letterhead or billhead.

In the photo, a cup of water was poured on each block. Block on left was treated with the additive.

N. D. K. Laboratories, 6912 W. Cedar St., Milwaukee 13, Wis.

Enter E41 on Inquiry Card

Equipment and Materials . . .



Splice Chuck Designed to Save Prestress Strands

Supreme now offers a splice chuck, in six sizes, designed to connect ends of strand and hold them under all operating tensions in prestress operations. This, Supreme says, usually occurs at the dead end of the prestress bed where a valuable remnant of strand may remain after a prestress job. The strand for the new

member is bought down to the remnant and connected by means of the splice chuck.

The splicer comes for ½", 7/16" and ¾" strand; can also be had to accommodate different size strands at opposite ends. Described in Catalog #349.

Supreme Products Corp., 2222 S. Calumet Ave., Chicago 16.

Enter E42 on Inquiry Card

New Portable Transit Mix Plant

A completely portable, high capacity transit mix plant, called the Gopher, has been announced by C. S. Johnson.

The plant consists of a 40 ton capacity storage bin, divided for three sizes of aggregate; a 6 yd. portable weigh batcher with 24" wide discharge belt bolted to hopper frame; and a 285 bbl. capacity Porto-Silo complete with 4,000 lb. capacity cement batcher.

The unit includes wheels, axles and pneumatic tires as standard equipment for the batcher-discharge belt set-up; wheels and axles on the Porto-Silo are optional extras.

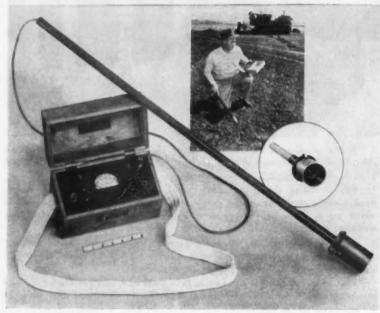
The all-welded steel aggregate bin has 9' wide sections and fill gates for charging the batcher. The aggregate scale has three 12,000 lb. weigh beams; the discharge belt, with 300 tph capacity, is powered by 7½ hp electric motor.

The silo is 8' in diameter, with a built-in elevator having a capacity of 180 bbl. per hour. The unit includes a Model 50 4,000 lb. capacity cement batcher with automatic cut-off and discharge. Standard equipment of the plant includes a 2" diameter automatic water meter.

C. S. Johnson Co., Box 71, Champaign, Ill.

Enter E43 on Inquiry Card

Portable Moisture Meter Introduced



Exact moisture control of sand or any bulk material is said to be measured automatically by a new portable moisture meter.

Moisture content registers on the dial when the probe, connected by insulated cord to the meter, is plunged into the material.

C&W Sales Co., 1490 Franks Lane, Menlo Park, Calif.

Enter E45 on Inquiry Card



Pilot Size Jig

A pilot size version of the Wemco Remer-Jig, incorporating all of the characteristics of the larger models, has been introduced.

The $1\times31/2'$ bed has a capacity of 1/3 tph, depending on the size and type of material being treated. The pilot size jig has the same double-stroke jiggling action as the standard size unit; uses high speed pulsation for better stratification, accelerated settling of fines, and greater capacity per foot of bed. Available in sizes up to $5\times16'$.

Western Machinery Co., 650 Fifth St., San Francisco 7, Calif.

Enter E44 on Inquiry Card

Equipment and Materials



Chain Belt Publishes Porto-Plant Bulletin

A new bulletin (#59210) on Rex Porto-Plants has been published by Chain Belt. The bulletin carries complete information on Porto-Plant models 60 and 125 and their components, including portable aggregate bins; portable cement storage bins; batching equipment; screw conveyors, etc.

Chain Belt Co., 4701 W. Greenfield Ave., Milwaukee 1, Wis.

Enter E46 on Inquiry Card

Two New SuperMatic Masonry Saws



Clipper now has two new Super-Matic masonry saws, the 14" Hi-Speed model SM-314 and the Universal 20" to 14" model SM-300. The 314 model is reported to have up to 32% greater blade life than is possible using 14" blades on low speed 20" saws.

The Universal 20 to 14" model SM-300 has an adjustable blade guard, and is designed for multiblade usage.

Clipper Mfg. Co., Suite 133, 2800 Warwick, Kansas City 8, Mo.

Enter E47 on Inquiry Card

How to Prepare Calcium Chloride

A pamphlet is available on "How to Prepare Standard Calcium Chloride Solution", prepared especially for ready mixed concrete producers.

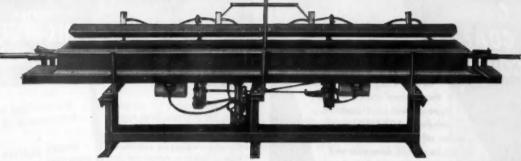
It contains illustrated recommendations for procedure in making solution, a chart on recommended gallons of solution per batch, and information on commercial and shop-made automatic dispensers.

Copies are available free from Calcium Chloride Institute 909 Ring Building, Washington 6, D. C.

Enter E48 on Inquiry Card

The New Improved KENT LINTELATOR

It's redesigned, built heavier, equipped with additional heavy duty vibrators, easier and faster to operate.



Hundreds of LINTELATORS are in use producing concrete lintels, coping, parking lot bumpers, fence posts, etc.

The business has proved to be extra profitable because it has come largely from established sources. New sales methods have not been necessary.

These profitable items can be used by almost all present customers.

The interesting story can open doors that have been closed and increase your list of purchasers.

The new improved LINTELATOR now in production assures even greater satisfaction and profit.

Write for information now and expand your business without increasing your headaches.

The KENT MACHINE CO. Cuyahoga Falls, Ohio, U.S.A.

SUBSIDIARY OF THE LAMSON & SESSIONS COMPANY

Canadian Distributor: Wettlaufer Equipment, Ltd., 49 Merton St., Toronto 12, Ontario



Yellow Wood Corner Block

A new yellow colored wood corner block (mason's line block) has been designed by Gerson. The corner block holds the mason's line true and tight without having to drive anything into the mortar or tying any knots. The yellow color displays an advertising message and also makes the block easy to find.

Gerson Co., 87 Deering Road, Mattapan 26, Mass.

Enter E49 on Inquiry Card

Epoxy Compound for Leak Prevention

Chem Seal has announced the availability of a new expoxy compound, CS 2720, designed to give low cost and permanent leak protection when used on concrete surfaces.

The compound cures tack-free within 6 hours at 75°F and is fully cured in 48 hours, Chem Seal says. Tensile strength of the compound is reported to be 800 psi; the elongation factor is 50%. It can be applied with brush, squeegee roller or spray equipment; available in special colors, also.

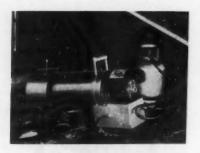
Chem Seal Corp. of America, 129-10 Panama St., Los Angeles 66, Calif.

Enter E50 on Inquiry Card

New LPG Portable Space Heater

Stow Mfg. Co. has just put on the market a new portable space heater burning liquid petroleum gas that is designed specificially for the construction industry.

The model LPG200 heater, which is multi-purpose, radiant, and recirculating, is for heating any area that does not have central heating. It is engineered for quiet, sootless production of high volume heat—200,000 BTU's. A 1/8 HP motor drives



a fan that circulates the warm air at a rate of 2,000 cu. ft. of air per minute. The standard model includes a burner control that turns off the fuel should the power fail or the flow of gas be interrupted. The LPG200 is somewhat similar in construction to the Stow oil burning space heaters. It is built for ruggedness, weighs 45 lbs. An outer shield acts like a Venturi tube; it sucks in cold air from the floor which mixes with hot air giving a warm blast. Thermostats can be added (optional) where temperature control is desired.

Stow Mfg. Co. 276 Shear St., Bing-hamton, N. Y.

Enter E51 on Inquiry Card





For more information use postcard facing page 48.

Tire Costs

Continued from page 22

We usually prefer the use of a full cap when we have tires recapped. Our reason for this preference is better adhesion and better traction type tread because of the full extension of the cleats.

Repair and recap your tires before failure. Prompt repair prevents premature tire failure and preserves the tire body for recapping. Recapping can more than double the original mileage. Repair bruises and cuts before they develop into major trouble. Use the original tread to a safe service limit but not down to the breakers on the outside ply. Recapping costs far less than a replacement tire.

At one time we had a blackboard put up in our garage and when a tire was junked, we would put on the board the date the tire was purchased, the cost of the tire, the date the tire was junked, and reason for the tire failing. This let the drivers see the cost and low mileage we were receiving on our tires.

Driver's Responsibilities

The responsibility of a ready-mix concrete driver in getting the maximum life out of the tires on his truck can be divided into three different phases. The first is preliminary inspection which consists of checking his tires each day before his truck is put into service, looking for flat or soft tires, rocks in between the tires on the dual wheels, small rocks wedged in the tread design or other foreign objects in the tires, and large cuts.

The second phase consists of good driving habits on the road. This entails avoiding large chuck holes in the road, running over objects that are harmful to the tires such as glass, nails, railroad tracks, etc. When these obstacles are unavoidable they should be crossed with the greatest amount of caution.

Turning corners at excessive rates of speed and sharp cornering can cause front tire wear, even the tearing off of the tread or cap. Sliding to a stop will cause flat spots on the tires.

This does not mean that a driver should creep along at a slow rate of speed so that he will be sure of not injuring his tires, but rather that he be prepared to cope with any obstacle that may suddenly confront him. This can be done by always being alert and observant.

Off-Road Driving

The third phase consists of off-theroad driving. Probably more damage is caused to ready-mix truck tires off the road than under any other conditions. The driver should check the off-the-road conditions before he leaves the road. He should get out of his truck and check behind, around, and under things that may hide objects that could cause damage to his tires.

When the driver proceeds with his truck off the road he should cautiously cross and go over ditches, planks, timbers, steel, curbs, or anything else that might injure a tire because of the load of the truck. Stationary objects that cause tire damage such as

Continued on page 40



Ready-mix operators everywhere are taking to the brawny, fast-charging Rockets' solid dependability and knack for cutting costs. You will too!

Longer Life, lower maintenance . . . because Rockets are crammed with extra "beef" to take all the slam-bang you can give 'em . . . and still come back for more, day after day, year after year. Rocket drums, for instance, have twice the welding normally found on other mixers. This and many other quality construction features mean lower maintenance costs.

Choose from a complete line of Rocket models in NRMCA approved capacities of $3\frac{1}{2}$, 4, 5, $5\frac{1}{2}$, 6, 7 and $8\frac{1}{2}$ cubic yards. Front Engine Drive or Flywheel P.T.O. optional.



CONCRETE TRANSPORT MIXER COMPANY

4983 Fyler Ave., St. Louis 9, Mo. FLanders 2-7800



Tire Costs

Continued from page 39

grade stakes, reinforcing steel, sharp objects, railroad tracks, etc., should be checked with the contractor and means provided for crossing these objects without damaging tires.

If the off-the-road conditions are bad and the driver and the contractor can't come to an agreement on how to cross them, the driver should call into his office and request help from a superintendent or other authorized person to come out to the job and correct the situation with the contractor. Most jobs should have some pre-delivery checking done on them.

The unnecessary spinning of the truck wheels as from being hopelessly stuck, causes heat damage to the tires. We don't allow our trucks to be pushed sideways by contractor's equipment such as bulldozers. The blade of a bulldozer can cut a tire while only moving the truck a few inches.

A tire is the most expensive, vulnerable part on a truck. One 10:00x 20, 12 ply tire costs about \$120.00 plus federal and state taxes, and the ready-mix driver should watch his truck tires as carefully as he would the gas gauge on the truck.

Proper maintenance, retreading, spot repairing, and good driving and operating habits by the ready-mix driver are aids to prolonging tire life. Correct maintenance and driving procedures will cut tire operating costs substantially.

Forrer's GLAIZE

protects equipment from cement dust, concrete and dirt adhesion!





HERE'S PROOF

Truck No. 1 required hours of chipping and scraping to clean up — resulting in wasted labor and damage to painted surfaces. Truck No. 2, protected by Forrer's GLAIZE, cleaned up in minutes eliminating road grit, dust and dirt.

FORRER'S

Division of Spray-O-Bond Co. 2225 N. Humboldt Milwaukee 12, Wisconsin



It cost only \$2.00 to give this huge unit GLAIZE protection for over 90 days. Easily cleaned . . . dirt and even hardened concrete literally slides right off with plain water.

Transparent, glass smooth GLAIZE is unaffected by cold or hot water, resists dilute alkalies and acids. Write for data.

> per Gal. packed six 1-Gal. Tins per Cin.

\$37.50 per 5-Gal. Tin F.O.B. Milwaykee.

ORDER A TRIAL

GALLON TODAY!

Send check or money order

for \$8.95. We will pay the shipping cost. One trial Gal. per customer.

Here's what FORRER'S GLAIZE does for you!

- Costs just pennies a day, saves hours of labor.
- 2. Protects finish on painted metal surfaces.
- High gloss film gives vehicles and equipment a highly polished appearance.
- Prevents bonding of dirt, concrete and dust to surfaces.
- 5. Eliminates chipping, pounding or scraping.
- 6. Simplifies maintenance.
- Non-staining, non-darkening, transparent as plate glass.
- Less than one quart covers the largest truck completely.

Division of Spray-O-Bond Co.

2225 N. Humboldt Avenue, Milwaukee 12, Wis.

Permanente Cement Sets Record First Half

Record first-half sales and earnings for Permanente Cement were reported recently by President Wallace A. Marsh.

Sales of \$37,446,000 for the recent six months ended June 30 were up approximately 34 per cent from the \$27,937,000 for the corresponding period of 1958, Marsh said.

Net earnings for the recent first half totaled \$5,312,000, equivalent to \$.93 a share, up 47 per cent over the \$3,6124,000, or \$.63 a share earned in the first half of 1958.

Demand in the West for cement, gypsum and insulating board products, increased cement productive capacity, establishment of new markets, and weather favorable to construction were chiefly responsible for the first half gains.

Sales from newly acquired facilities — the Olympic Portland Cement Division of Bellingham, Washington, and the new Portland Division of Glacier Sand and Gravel Company — are incorporated in first-half figures for the first time.

All divisions of the company continue to operate at high levels, and sales for 1959 are expected to achieve a new 12-month record.

Edward H. Kendall has been appointed general sales manager of Permanente Cement Company.

Two New Huron GSM's

Lee C. Hamilton and John C. Hoffman have been appointed general sales managers for Huron Portland Cement Co., of Detroit. Hamilton will be general manager of contact sales, and Hoffman general manager of commercial sales.

\$8.95

HUNDREDS HAVE ORDERED!

MANY HAVE RE-ORDERED ON SEEING IT!

NEW
ENLARGED
SECOND
EDITION

Block producers who have bought the Second Edition of William Grant's famous book are lavish in their praise of the new material included and the updating of subjects that were covered in the first edition. Many have reordered enough copies for each of their key people.

We suggest you order today on a money-back guarantee of satisfaction. Payment with your order please.

MANUFACTURE OF by WILLIAM GRANT CONCRETE MASONRY UNITS

More Pages • More Subjects Covered • More Illustrations Charts and Tables • More of Everything that Made the First Edition the Most Popular Book on the Subject Ever Offered the Block Producer.

\$5.00

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ORDER YOUR COPY TODAY-

CONCRETE PUBLISHING CORP.

400 WEST MADISON ST.

CHICAGO 6, ILL.

PAYMENT MUST ACCOMPANY ALL ORDERS

Leap Offers Prestress Consulting Service

A new service especially suited to individuals or firms "contemplating going into or expanding current prestressed concrete operations" has been developed by Leap Associates, prestress consultant firm of Lakeland, Florida.

Leap Associates now offers a twoday analysis and feasibility conference at its Lakeland headquarters in which information supplied by a firm planning entry into or expansion in the prestressed industry is analyzed to determine if such a plan of operation is feasible.

In making the announcement, Leap President, Harry H. Edwards, noted, "This conference-type arrangement is advantageous in that by coming to Leap's headquarters, prospective investors in the prestressed concrete industry benefit from the specialized knowledge of our entire staff in engineering, production, sales, promotion and management.

PACKERS

"In addition, we can actually show them prestressed products in use in completed structures and four different types of prestress plants in operation — two in Lakeland and two in nearby Tampa. This is usually impossible to do in the prospective firm's home area."

The two-day conference serves to analyze the prospect's local markets, organization, present facilities, and requirements for diversification and expansion. In turn, recommendations are made concerning: Feasibility of entering the prestressed concrete industry or expanding existing facilities; required plant facilities, including design, capacity, equipment and costs; products that should be offered and their design; sales promotions and merchandising programs; systems for operational analysis - with break-even and profit range - and other means of insuring a successful venture.

SYNTRON Pulsating Magnet VIBRATORY



Increase production, improve product quality, reduce cost

SYNTRON Vibratory Packers provide an efficient, effective method of settling and compacting concrete in forms and molds—produce stronger, denser concrete products—lintels, posts, etc.

SYNTRON Vibratory Packers produce 3600 vibrations per minute that allows the use of a drier mix and eliminate air pockets and voids—assuring a higher quality product.

Their electromagnetic drive offers efficient, dependable operation with very low maintenance.

SYNTRON Vibratory Packers are available in a wide range of sizes. For further information write to—

SYNTRON COMPANY 324 Lexington Ave. Homer City, Penna.

Other SYNTRON, Equipment of proven dependable Quality



ELECTRIC HAMMERS AND HAMMER DRILLS



ROTARY VIBRATOR CAR SHAKERS



CONCRETE

Sallisaw Joins Okla RMCA

Sallisaw Ready Mix Co., of Sallisaw, Okla., has joined the Oklahoma Ready-Mixed Concrete Assoc., according to Joe E. Offutt, executive secretary.

Sallisaw is owned by L. E. Capehart.

Solite Builds Fifth Rotary Kiln at Aquadale

Construction of a fifth 135' rotary kiln at Carolina Solite's Aquadale plant has just been completed, according to R. F. Gibson, plant manager. This is the third expansion of facilities at Aquadale since the plant began operations in 1953.

Penn-Dixie Names Petersen IR Mgr.

A. W. Petersen has been appointed manager of industrial relations for Penn-Dixie Cement Corp., succeeding A. H. Bostwick, who has retired. Petersen will continue to operate from the Nazareth, Pa., office.

How Texcrete Makes Their Canon Brick

Continued from page 27

Texcrete's four autoclaves in Dallas, installed in 1956, are 9 feet in diameter and 112 feet long. Each will hold approximately 34 racks of 34 pallets with 32 brick to the pallet. Charging time is about one hour.

About three hours are required for build up of pressure and temperature, followed by five to six hours at a temperature of 350 to 360 degrees and a pressure of 140 to 150 psi. Following this curing period, the autoclave is "blown down." Steam is released in as short a time as possible — 15 to 20 minutes — to produce a "flashing" of the moisture contained in the units so that when the door of the autoclave is opened they will be in a sufficiently dry condition to be shipped to the job.

Moved By Fork Truck

Racks are then removed to the storage yard for cubing. Fork lifts remove the cubes to designated yard areas according to color.

Production procedures are approximately the same in Texas Industries' other masonry plants, except that in Houston a greater degree of automation has been attained.

The company maintains quality control both during and following manufacture, in which strength, water tightness, water absorption and drying shrinkage are determined. Sampling is handled in such a way that the laboratory gets a true representation of a day's run.

With the completion of autoclave facilities at its Fort Worth plant soon, Texas Industries will have a total of six concrete unit masonry plants operating with high-pressure curing facilities, including a total of 11 autoclaves with a daily capacity of almost 100,000 standard 8x8x16-inch concrete masonry units or over 1,000,000 brick. Consequently, the company is believed to be the largest producer of autoclaved masonry units in the world.

Vertical Integration

The cost of converting from conventional atmospheric pressure steam curing to high pressure steam curing in autoclaves in Texas Industries' plants is estimated to be approximately \$1,5000,000.

Operations of Texas Industries today are almost wholly concentrated in the concrete business, and the company is vigorously implementing a long-range policy of vertical integration in this industry.

It is probable that within the next two years the company will be producing, with the exception of color pigments, all the ingredients which go into Canon Brick, Holiday Hill Stone and lightweight masonry units.

Texas Industries in August announced the start of work on its new wet process cement plant to be built at Midlothian, Texas, with a capacity of 1,400,000 barrels of portland cement a year. Completion is set for late 1960.

hot water instantly...



at lowest cost

Pick

8 sizes to deliver 500 to 30,000 gals. per hr.

- Direct contact of steam and water provides desired hot water temperature instantaneously... temperature accurately maintained by thermostatic controls.
- Water heated only as needed
 . . . volume adjustable from 5%
 to full rated capacity.
- Easily installed in your steam and water line, usually attached
- to wall. No tanks needed . . . no floor space required.
- 20-second reaction to desired up-and-down changes in water temperature.
- Heater designed for operation on low or high pressure steam.



For complete information, Write today to Dept. C.

PICK MFG. CO. West Bend, Wis.

on all standard Heavy Duty Columbia RACKS

Standard heavy duty racks are shipped to your plant from either Mattoon, Ill., or Vancouver, Wash., within hours of the time your order is received.

Ask about our Special Racks for Automation.

Orders will be processed promptly.



PALLETS...precision made and guaranteed...exact in size and shape with no warp or bur. Standard steel pallets \(^1/4'' \times 18'' \times 20''\), or 5/6" \(^1/2'' \times 26''\), or special sizes to fit your operation.

Contact your Columbia representative or write, wire or phone.

Home Office: 10% Grand Blvd., Vancouver, Wash.
Branches: Mattoon, Illinois; Burbank, California

Branches: Mattoon, Illinois; Burbank, California Manufacturers and world-wide distributors of a complete line of plant equipment for production of concrete products

odson's



A Trained Memory

A couple of Saturdays ago I needed a dozen concrete blocks to support some shelves I was building in my basement.

So I drove out to see Bob Noyes, a good friend of mine who's been in the concrete specialties business for some years now. He's been an "off and on" user of Calcium Chloride - usually forgetting to reorder when his supply runs low. He had a terrible memory.

"You've come to the right place, Dod," he replied to my greeting. "Got two different models right over here regular and ornamental."

"Looks like four different models," I said sarcastically, observing the selection, "ornamental, regular, chipped, and cracked!"

"These are rejects on sale at half price. Serves me right, Dod," Bob apologized, "I forgot the Calcium Chloride again and that's the result."

"That memory of yours is costing you money, Bob. You ought to take a memory training course like I did. It would save you a lot of time and money. Now you're going to lose on all these rejects - even if you sell 'em at a discount."

Bob sheepishly nodded his head.

"And, with Calcium Chloride." I continued, "you can release your molds in half the time. On top of that, you get higher early and final strength. Use the old memory, Bob," I said, tapping my noodle with my finger.

Just then one of Bob's men called out from the window of his office. "Hey, Mr. Dodson, your wife is on the phone, and is she burned up! Says you forgot to pick her up downtown this morning!"

- L. D. Dodson

P.S. - Don't forget to send for our free folder on how Wyandotte Calcium Chloride can cut your costs. Just drop me a line and ask for, "How To Make Better Concrete Products and Ready-Mix." Wyandotte Chemicals Corporation, Wyandotte, Michigan. Offices in principal cities.

Wyandotte



MICHIGAN ALKALI DIVISION HEADQUARTERS FOR CALCIUM CHLORIDE

PCI Meet To Feature **Huge Display of Equipment**

One of the most comprehensive displays of prestressed concrete equipment, supplies and services ever assembled in one place is planned at the Fifth Annual Convention of the Prestressed Concrete Institute.

Approximately 30 different exhibitors already have signed up for the convention which will be held November 1 through November 7 in Miami Beach's Deauville Hotel.

Over 35,000 square feet of display space is available for exhibits. The exhibit area will officially open at 12 noon November 3.

George W. Ford, co-chairman of the convention committee, said that many suppliers to the prestressed concrete industry look to this annual meeting as the ideal time to introduce new products and developments.

So far, the following firms have announced plans for displays at the convention:

John A. Roebling's Sons Corp., Trenton, N. J.; Plant City Steel Corp., Plant City, Fla.; The Master Builders Co., Cleveland, O.; Leschen Wire Rope Division, H. K. Porter Co., St. Louis, Mo.; Travelift and Engineering Co., Sturgeon Bay, Wis.; American Steel and Wire Division, United States Steel, Pittsburgh, Pa.; Remington Arms Co., Inc., Bridgeport, Conn.; Sika Chemical Corp., Passaic, N. J.; Bethlehem Steel Corp., Bethlehem, Pa.; Prescon Corp., Corpus Christi, Tex.

Contractors and Engineers Magazine, New York City; Vibro-Plus Products, Stanhope, N. J.; Kurt Orban Co., Inc., Jersey City, N. J.; International Prestressing Corp., Los Angeles, Calif.; Dewey and Almy Chemical Division, W. R. Grace and Co., Cambridge, Mass.; Raymond International, Inc., New York City.

Superior Concrete Accessories, Inc., Franklin Park, Ill.; Concrete Transport Mixer Co., St. Louis, T. L. Smith Co., Milwaukee, Wis.; Food Machinery and Chemical Corp., Lakeland: Richmond Screw Anchor Co., Brooklyn, N. Y.; Union Wire Rope Corp., Kansas City, Mo.; Intercontinental Equipment Co., New York City.

Stow Manufacturing Co., Binghamton, N. Y.; Supreme Products Corp., Chicago; Stressteel Corp., Wilkes Barre, Pa.; LaClede Steel Co., St. Louis, Mo.

The exhibit area will close at 10 p.m., Thursday, November 5. Official hours of the display are as follows:

Tuesday, November 3 — 12 noon to 1:30 p.m. and 4:30 p.m. to 10 p.m.

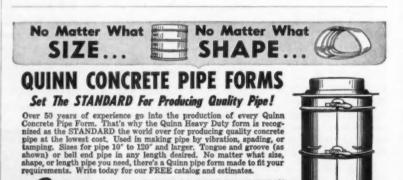
Wednesday, November 4 — 8 a.m. to 9 a.m., 11:30 a.m. to 1:30 p.m., 4:30 p.m. to 6:30 p.m.

Thursday, November 5 - 8 to 9 a.m., 11:30 a.m. to 1:30 p.m., 4:30 p.m. to 10 p.m.

Rental rates and other information about booths are available at PCI Convention Headquarters, 3132 NE Ninth St., Ft. Lauderdale.

Koltez Concrete Joins Ohio Ready Mix Assoc.

Claude L. Clark, secretary, has announced that Koltez Concrete Co., located in Bedford, Ohio, has joined the Ohio Ready Mixed Concrete Assoc.



Also Manufacturers of QUINN CONCRETE PIPE MACHINES



CLASSIFIED ADS-

\$10.00 per column inch. Closing date for classified advertising copy is 4th of preceding month.

FOR SALE

2800 $\frac{1}{4}$ " x 18 $\frac{1}{2}$ " x 26" used pellets in good condition. Priced for quick sale.

BOX A-68, core CONCRETE 400 W. Madison St., Chicago 6, III.

FOR SALE

Columbia Model 12 complete block machine for making 12" high blocks — with one 8" x 8" x 16" mold — diso offbearing hoist with magnet — and poliet return. Write to:

BOX A-69, care CONCRETE 400 W. Madison St., Chicago 6, III.

FOR SALE

Columbia Model 8 complete plant including pallets, racks, molds, and block machine. Can be seen in operation. Write to:

BOX A-70, care CONCRETE

400 W. Medison St., Chicago 6, III.

FOR SALE

Burial vault forms, arched dome top, triple seal type, 3 sets for continuous operation, standard size, used one year. Price \$1495.00 for all, FOB Houston.

GRABBE CONCRETE PRODUCTS 10622 Hirsch Rd. Houston 16, Texas

LONG LASTING

EZY-STRYP

METAL FORMS for CONCRETE SPECIALTIES



ELECTRIC VIBRATING TABLES

- Makes better products better
- Lovels a stiff mix in two seconds
- Built sturdy for long life

Hundreds of Forms in Stock for Quick

- Delivery Including:

 WINDOW WELLS STEP TREADS
 SPLASH BLOCK STEP STONES
 PARKING BLOCKS SIGN POSTS
 WINDOW SILLS & HIGHWAY DIVIDERS
- PD CONCRETE INSERTS | SWISS FORM OIL BURIAL VAULT FORMS | LINTEL MACHINES

Write for Free Illustrated Catalog. Special Forms to Your Specifications. R. L. SPILLMAN CO.

America's Largest Manufacturer of Concrete Specialty Forms
BOX 4167-5 COLUMBUS 7, OHIO

FOR SALE

Complete block making equipment. Two-block George hydraulic block machine, 12 ft. mixer, 12 ft. conveyor, 2500 8", 1100 4" paliets, 450 4" plain pallets, miscl. half and jamb pallets, half high attachments, 55 48-block racks. In operation until Sept. 15. Price \$3000.00, FOB Bogalusa.

BOGALUSA CONCRETE PRODUCTS CO. Phone: RE 2-9731 P. O. Box 5

FOR SALE

- Concrete Truck Mixers
 (as is subject to prior sale)
 Jaegers—two to four yd. capacity—\$300.00 each
 Smiths—three to four yd. capacity \$300.00
- each Rex.—3 to 4 yd.—\$300,00 Challenge, 5 5½ yd. (240 ft. drum) \$1500.00 each.

 CONCRETE TRANSPORT MIXER CO. 4983 Fylor Ave., 51. Louis 9, Mo. PHONE: Flanderes 2-7800

FOR SALE

One Automatic Sealing Buriel Vault Ferm in good condition.

> C. STARKWEATHER & SON, INC. Beaver Dam, Wisconsin

FOR SALE

Two Shepeck block machines in good con-dition; priced to sell, as we will install larger units to take care of increased

C. STARKWEATHER & SON, INC. Begyer Dam, Wisconsin

For Sale - Ready Mix Concrete Equipment

#5 LF 190 Internationals 1952 Models with 5 cy Smith and Jaeger mixers, good condition \$5,000.00 1951 F-7 Ford with 3½ cy Jaeger mixer \$3,000.00 1951 F-7 Ford with 3½ cy Jaeger mixer \$3,000.00 #2 K-7 Internationals with 2 cy Smith \$1,000.00 LF 180 1952 Model International Tandem with 4 cy Challenge mixer\$4,000.00 This equipment is operating daily. Located in South Carolina.

BURTON BLOCK COMPANY Burton, South Carolina P 0 Rox 146

SWAP-SELL-BUY

Stearns #7 & 9 Joltcretes . \$ 500.00 each
(Joltcrete owners at this
price buy one for spare
parts.)
Mold Boxes #7 & 0

mold Boxes #7 & 9..... 150.00 delete #7 250.00 delete #7

pallets 200.00 100—Rocks for cored steel

GENERAL ENGINES CO., INC.

Route 130 Thorefers, N. J. Phone: Tilden 5-5400

FLEMING ENJOYING A RECORD YEAR IN SALES

We have recently taken the following block plant equipment in an trade and we are offering these trade-in machines at very reasonable prices. All equipment can be seen at our factory in Cube, Missouri unless otherwise specified.

AT LIBERTY, NEW YORK

Lith-I-Block Two-Block Machine, Includes molds, compressor and offboarer. Recently traded in on a new Flemling Two-Block Machino. Price only \$3,300.00 complete.

#2

AT LIVONIA, MICHIGAN

Besser Piain Polist Block Mechine complete with mold boxes. This machine has been replaced with a Fleming Two-Block Machine — Make offer.

#3

BLOCK SPLITTER

Fleming Automatic Block Splitter with avarantee. Excellent condition. \$1,000.00.

#4

IN VERY GOOD CONDITION

The peckage includes a Plenning-12 Plant Mixer, Flaming-180 Automatic Black Machine (1954) and mold boxes for making 4-6-8-12" blocks. This maddine was in delity operation at Warransburg, Allssouri until it was recently replaced with a larger Flaming-20, Two Black Machine. Price \$3,200.

#5

IN OPERATION AT ROARING RIVER. **NORTH CAROLINA**

Floming-180 Block machine (1949) complete with mold boxes for making 4-6-8 blocks. This machine has been traded on a larger Fleming-10 Block Mackine but can still be seen in actual operation. Price \$1,250.

#6

CAN BE SEEN AT MT. PLEASANT, TEXAS

Fleming-180 Block Machine (1958) complete with mold boxes for making brick, bond beam, 4" blocks and 8" two-core blocks. This unit has recently been traded on a Fleming-20, two Block Machina, and in excellent condition. Price \$3,100.

#7

COMPLETE PLANT AT A BARGAIN PRICE

One sack Plant Mixer, Elevator and a Floming-180 Block Machine (1947). Although an older model this machine was operated only during the winter months at a Ready Mix Plant and shows little wear. All equipment is exceptionally clean. Price \$2,000.

NOW AT LIVONIA, NEW YORK

Fleming-180 Automatic Block Machine with mold boxes for making 8-10-12" Blocks. This machine has given excellent service and has been traded for a larger Fleming-10 Block Machine. Price \$1,700.

#9

IDEAL FOR MAKING SPECIAL BLOCKS

Floming-100 Semi-Automatic Block Machine, complete with 8" Mold Box. Factory Reconditioned. Price \$575. (Only one in

#10

FOR MAKING PATIO SLABS

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SKIP HOISTS



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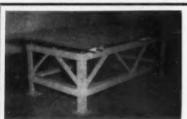
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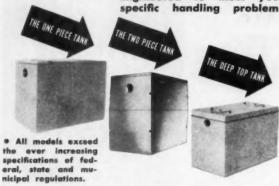
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ADVERTISER'S INDEX

	Automatic Spring Coiling Company	. 3
£2	Bergen Machine & Tool Co., Inc	. (
E3	Besser Company	. :
E4	Besser Company Back C	ove
E5	Burkhart Engineering Associates, Inc	. 42
E6	Cole-Sewell Engineering Company	. 34
E7	Colorcrete Industries, Inc	. 4
E8	Columbia Machine, Inc	. 2
E9	Columbia Machine, Inc.	38
E10	Columbia Machine, Inc.	43
E11	Columbia Machine, Inc	48
E12	Concrete Transport Mixer Company	39
E13	Conwell & Company, E. L	47
E14	Dorsey Trailers	15
E15	Dur-O-Wal Products Company	2
E16	Edick Laboratories, Inc	13
E17	Erickson Power Lift Trucks, Inc.	2
	Forrer's Products for Masonry	
	Fraser Pallet Cleaning	
E20	Gocorp Inside Front Cover	h 1
E21	Kent Machine Company	37
E21		37
E21 B22	Kent Machine Company	37 46
E21 B22 E23 E24	Kent Machine Company Landers-Segal Color Company Lithibar Company, The Lobstein Pallet Cleaning	37 46 46
E21 B22 E23 E24	Kent Machine Company Landers-Segal Color Company Lithibar Company, The Lobstein Pallet Cleaning	37 46 46
E21 B22 E23 E24 E25	Kent Machine Company Landers-Segal Color Company Lithibar Company, The Lobstein Pallet Cleaning	37 46 46 47 16
E21 B22 E23 E24 E25 E26	Kent Machine Company Landers-Segal Color Company Lithibar Company, The Lobstein Pallet Cleaning Master Builders Company	37 46 46 47 16 48
E21 B22 E23 E24 E25 E26 E27 E27	Kent Machine Company Landers-Segal Color Company Lithibar Company, The Lobstein Pallet Cleaning Master Builders Company Norwalk Vault Company	37 46 46 47 16 48 43
E21 B22 E23 E24 E25 E26 E27 E28 E28	Kent Machine Company Landers-Segal Color Company Lithibar Company, The Lobstein Pallet Cleaning Master Builders Company Norwalk Vault Company	37 46 46 47 16 48 43
E21 B22 E23 E24 E25 E26 E27 E28 E29 G	Kent Machine Company Landers-Segal Color Company Lithibar Company, The Lobstein Pallet Cleaning Master Builders Company Norwalk Vault Company Pick Manufacturing Company	37 46 46 47 16 48 43 11
E21 B22 E23 E24 E25 E26 E26 E27 E28 E27 E28 E29 E29	Kent Machine Company Landers-Segal Color Company Lithibar Company, The Lobstein Pallet Cleaning Master Builders Company Norwalk Vault Company Pick Manufacturing Company Partiand Cement Association Quinn Wire & Iron Works	37 46 46 47 16 48 43 11
E21 B22 B22 E23 E24 E25 E26 E26 E27 E26 E27 E28 E29 E29	Kent Machine Company Landers-Segal Color Company Lithibar Company, The Lobstein Pallet Cleaning Master Builders Company Norwalk Vault Company Pick Manufacturing Company Partland Cement Association Quinn Wire & Iron Works	37 46 46 47 16 48 43 11 44 47 46
E21 B22 E23 E24 E25 E26 E26 E27 E26 E27 E27 E28 E29 E29 E29 E29 E30 E31 E31 E31 E32 E33 E33	Kent Machine Company Landers-Segal Color Company Lithibar Company, The Lobstein Pallet Cleaning Master Builders Company Norwalk Vault Company Pick Manufacturing Company Portland Cement Association Quinn Wire & Iron Works Smith Chemical & Color Company	37 46 46 47 16 48 43 11 44 47 46 45
E21 B22 E23 E23 E24 E25 E25 E26 E27 E27 E28 E27 E28 E29 E29 E29 E29 E31 E31	Kent Machine Company Landers-Segal Color Company Lithibar Company, The Lobstein Pallet Cleaning Master Builders Company Norwalk Vault Company Pick Manufacturing Company Partiand Cement Association Quinn Wire & Iron Works Smith Chemical & Color Company Southeastern Pallet Cleaning Service Spillman Company, R. L.	37 46 46 47 16 48 43 11 44 47 46 45
E21 B22 E23 E23 E24 E25 E25 E26 E27 E26 E27 E28 E28 E27 E28 E27 E28 E27 E28 E28	Kent Machine Company Landers-Segal Color Company Lithibar Company, The Lobstein Pallet Cleaning Master Builders Company Norwalk Vault Company Pick Manufacturing Company Portland Cement Association Quinn Wire & Iron Works Smith Chemical & Color Company Southeastern Pallet Cleaning Service Spillman Company, R. L. Stearns Manufacturing Co., Inc Inside Back Co	37 46 46 47 16 48 43 11 44 47 46 45 ver 46
E21	Kent Machine Company Landers-Segal Color Company Lithibar Company, The Lobstein Pallet Cleaning Master Builders Company Norwalk Vault Company Pick Manufacturing Company Portland Cement Association Quinn Wire & Iron Works Smith Chemical & Color Company Southeastern Pallet Cleaning Service Spillman Company, R. L. Stearns Manufacturing Co., Inc Inside Back Colupping Concrete Machinery Company Syntron Company	37 46 46 47 16 48 43 11 44 47 46 45 ver 46 42
E21	Kent Machine Company Landers-Segal Color Company Lithibar Company, The Lobstein Pallet Cleaning Master Builders Company Norwalk Vault Company Pick Manufacturing Company Partland Cement Association Quinn Wire & Iron Works Smith Chemical & Color Company Joutheastern Pallet Cleaning Service Spillman Company, R. L. Jeann Manufacturing Co., Inc Inside Back Coluperior Concrete Machinery Company	37 46 46 47 16 48 43 11 44 47 46 45 ver 46 42 38

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